Final Environmental Assessment for U.S. Army Corps of Engineers Land Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware

Prepared for:

U.S. Army Corps of Engineers and Diamond State Port Corporation

Prepared by:

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June 2023

FINDING OF NO SIGNIFICANT IMPACT

U.S. ARMY CORPS OF ENGINEERS LAND TRANSFER OF THE WILMINGTON HARBOR NORTH DISPOSAL AREA TO STATE OF DELAWARE CITY OF WILMINGTON, NEW CASTLE, DE

The U.S. Army Corps of Engineers, Philadelphia District (Corps) has conducted an environmental analysis in accordance with the National Environmental Policy Act (NEPA) of 1969, as amended. The final Environmental Assessment (EA) dated 6 June 2023, for the Land Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware addresses the impacts associated with the Proposed Action of transferring a confined disposal facility (CDF) from the Corps to the Diamond State Port Corporation (DSPC), on behalf of the State of Delaware. The Property would continue to be used as a CDF under DSPC ownership, and activities consistent with use of the Property as a dredge material disposal site would continue to occur. This Finding of No Significant Impact (FONSI) is the decision document to complete the NEPA process for this Proposed Action.

The Final EA, incorporated herein by reference, evaluated two alternatives: The No Action Alternative and the Proposed Action. The No Action Alternative that would keep the confined disposal facility (CDF) under jurisdiction of the Corps and subject to the Corps standard disposal process, including a Declaration of Excess. The selected Alternative is the Proposed Action and includes:

- Conveyance of the Property from the Corps to the Diamond State Port Corporation (DSPC)

For both the No Action Alternative and the Proposed Action, the potential effects were evaluated, as appropriate. A summary assessment of the potential effects of the Proposed Action are listed in Table 1:

Table 1: Summary of Potential Effects of the Proposed Action

	Insignificant effects	Insignificant effects as a result of mitigation*	Resource unaffected by action
Aesthetics	☐	☐	☒
Air quality	☐	☐	☒
Aquatic resources/wetlands	☐	☐	☒
Invasive species	☐	☐	☒
Fish and wildlife habitat	☐	☐	☒
Threatened/Endangered species/critical habitat	☐	☐	☒
Historic properties	☐	☐	☒
Other cultural resources	☐	☐	☒
Floodplains	☐	☐	☒
Hazardous, toxic & radioactive waste	☐	☐	☒
Hydrology	☐	☐	☒
Land use	☐	☐	☒
Navigation	☐	☐	☒
Noise levels	☐	☐	☒

	Insignificant effects	Insignificant effects as a result of mitigation*	Resource unaffected by action
Public infrastructure	☐	☐	☒
Socio-economics	☐	☐	☒
Environmental justice	☐	☐	☒
Soils	☐	☐	☒
Tribal trust resources	☐	☐	☒
Water quality	☐	☐	☒
Climate change	☒	☐	☐

All practicable and appropriate means to avoid or minimize adverse environmental effects were analyzed and incorporated into the Proposed Action. Best management practices (BMPs) as detailed in the EA will be implemented, if appropriate, to minimize impacts.[1] The Property would continue to be used as a CDF under DSPC ownership.

No compensatory mitigation is required as part of the Proposed Action.

Public review of the draft EA and FONSI was completed on 21 April 2023. All comments submitted during the public review period were responded to in the Final EA and FONSI. A 30-day state and agency review of the Final EA was completed on 21 April 2023. Comments from state and federal agency review did not result in any changes to the Final EA.

Pursuant to section 7 of the Endangered Species Act of 1973, as amended, the U.S. Army Corps of Engineers determined that the Proposed Action would have no effect on federally listed species or critical habitat. Both National Marine Fisheries Service (NMFS) and U.S. Fish and Wildlife Service (USFWS) concurred with this determination.

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended, the Delaware Division of Historical and Cultural Affairs provided a letter May 10, 2023, indicating "No Adverse Effect to historic properties by the proposed undertaking.'

Pursuant to the Clean Water Act of 1972, as amended, a Section 404 Permit is not required for the Proposed Action (land transfer), as there will be no discharge of dredged or fill material into water of the United States. On August 4, 2022, DSPC was issued a Department of the Army Individual Permit for the Port of Wilmington, Edgemoor Expansion Project, which includes continued use of the WHN site as a CDF.

Pursuant to the Clean Water Act of 1972, as amended, a Section 401 Water Quality Certification from Delaware Department of Natural Resources and Environmental Control (DNREC) for the Proposed Action (land transfer) is not required as there will be no discharge into waters of the United States.

Pursuant to the Coastal Zone Management Act (CZMA) of 1972, as amended, USACE determined that the proposed land transfer will not have any reasonably foreseeable effects on Delaware's coastal uses or resources and is consistent with the enforceable policies of the Delaware Coastal Management Program. In a letter dated May 11, 2023, DNREC concurred that the project would result in no coastal effects.

[1] 40 CFR 1505.2(a)(3) all practicable means to avoid and minimize environmental harm are adopted.

All applicable environmental laws have been considered and coordination with appropriate agencies and officials has been completed.

All applicable laws, executive orders, regulations, and local government plans were considered in evaluation of alternatives.[2] Based on these findings, the reviews by other Federal, State and local agencies, Tribes, input of the public, and the review by my staff, it is my determination that the Proposed Action would not cause significant adverse effects on the quality of the human environment; therefore, preparation of an Environmental Impact Statement is not required.[3]

6 June 2023
Date

RB
Digitally signed by BRIGANTTI.RAMON.1181985263
Date: 2023.06.06 17:02:02 -04'00'

Ramon Brigantti
Lieutenant Colonel, Corps of Engineers
District Commander

[2] 40 CFR 1505.2(a)(2) requires identification of relevant factors including any essential to national policy which were balanced in the agency decision.

[3] 40 CFR 1508.1(l) states the FONSI is a document by a Federal agency briefly presenting the reasons why an action, not otherwise categorically excluded (§ 15018.4), will not have a significant effect on the human environment and for which an environmental impact statement therefore will not be prepared.

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ACRONYMS

A	
ACHP	Advisory Council of Historic Preservation
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BCC	Birds of Conservation Concern
BMPs	Best Management Practices
C	
CAPs	criteria air pollutants
CBIA	Coastal Barrier Improvement Act
CBRA	Coastal Barrier Resources Act
CDF	confined disposal facility
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
CHRIS	Cultural and Historical Resources Information
CO	carbon monoxide
CZMA	Coastal Zone Management Act
D	
DCMP	Delaware Coastal Management Program
DDFW	Delaware Division of Fish and Wildlife
DHCA	Delaware Historical and Cultural Affairs
DNREC	Delaware Department of Natural Resources and Environmental Control
DO	dissolved oxygen
DRBC	Delaware River Basin Commission
DSPC	Diamond State Port Corporation
E	
EA	Environmental Assessment
EJ	Environmental Justice
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
F	
FEMA	Federal Emergency Management Agency
G	
GSA	General Services Administration
H	
HI	Hazard Index
HTRW	Hazardous, Toxic, and Radioactive Waste
I	
IPaC	Information for Planning and Consultation

K

km	kilometer

M

Mg/L	milligrams per liter
MLK	Martin Luther King
MRLC	Multi-Resolution Land Characteristics
msl	mean sea level

N

NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act of 1969
NHPA	National Historic Preservation Act
NO_x	nitrogen oxide
NO_2	nitrogen dioxide
NPL	National Priorities List
NRCS	National Resources Conservation Service
NWI	

O

O_3	ozone

P

Pb	lead
PCBs	polychlorinated biphenyls
PM	particle pollution
$PM_{2.5}$	fine particular matter
PM_{10}	particulate matter
ppb	parts per billion
ppt	parts per thousand

R

REC	recognized environmental condition
RM	River Mile

S

SO_2	sulfur dioxide

U

$\mu g/m^3$	microgram / cubic meter
USACE	U.S. Army Corps of Engineers
USCB	United States Census Bureau
USFWS	U.S. Fish and Wildlife Service

V

VOCs	volatile organic compounds

W

WHN	Wilmington Harbor North
WRDA	Water Resources Development Act

1.0 PURPOSE OF AND NEED FOR ACTION

1.1 Background

The U.S. Army Corps of Engineers (USACE) currently owns the Wilmington Harbor North (WHN) Confined Disposal Facility (CDF) (hereinafter referred to as the WHN CDF). This property has been identified as excess to the Government's needs, and Section 356(d) of the Water Resources Development Act (WRDA) of 2020 stipulates conveyance of the Wilmington Harbor North Disposal Area from the Federal Government to the State of Delaware. The Diamond State Port Corporation (DSPC), a corporation of the State of Delaware, would assume ownership and operation of the Property. This Environmental Assessment (EA) evaluates the potential environmental, socioeconomic, historic, and cultural impacts that would result from the proposed conveyance of the Property from the USACE to the DSPC.

The USACE currently owns and maintains the Property, located in the City of Wilmington, New Castle County, Delaware (Figure 1.1-1). The WHN CDF is located along the Christina River and Delaware River and has provided storage for past dredged materials from the Christina River and Delaware River since 1914. CDFs are utilized as the least cost alternative to retain dredged materials to meet the USACE Navigation mission by maintaining channels and ports at their Congressionally authorized project depths. Dikes were used to isolate the dredged material and a weir or sluice structure allows the discharge of water (reduced in total suspended solids) from the CDF back into the river. USACE has not added dredge material to the WHN CDF since December 2017.

The Port of Wilmington is a full-service, deep-water port and marine terminal located at the confluence of the Christina and Delaware Rivers. The Port is owned by DSPC, and operated by GT USA Wilmington, LLC. Continued dredging of the Christina and Delaware Rivers is crucial to maintain authorized channel depths for access and navigational safety at the Port. Currently, the Port of Wilmington is planned to be expanded.

In compliance with the National Environmental Policy Act of 1969 (NEPA) and Council on Environmental Quality (CEQ) regulations, Kleinschmidt Associates, on behalf of DSPC prepared this EA to evaluate the potential impacts of the proposed land conveyance, to include WHN's continued future use as a CDF under DSPC's ownership. As part of this process, a Phase I Environmental Site Assessment (ESA) Report was conducted in 2022 by

Environmental Standards, Inc. (Environmental Standards 2022; Appendix A). The data provided in the ESA report helped inform this EA.



Figure 1.1-1 Boundary of the Property

1.2 Property Description

The Property proposed for conveyance from the USACE to the DSPC is approximately 172 acres. The USACE historically used the Property for disposal of dredged material. The WHN CDF is located within a commercial and industrial use area with adjacent properties including the Cherry Island Landfill, the Port of Wilmington, industrial/commercial properties, the Delaware River with residential properties on the eastern bank, and the Christina River. The USACE last utilized the Property for dredged material disposal in December 2017. The area is currently densely vegetated, with a gravel/dirt access road circling the disposal area. The western side of this access road is overtaken by vegetation and impassable. There are no buildings present on the Property. There is a sluice at the southern edge of the containment berm that provides drainage during dredge material dewatering. The WHN CDF has a large depression in the center, which can pond water following precipitation events. The Cherry Island Landfill is immediately northeast of the WHN CDF. Groundwater monitoring wells and piezometers associated with the Cherry Island Landfill are in the southeast portion of the Property. No stressed vegetation, surface water contamination, leachate, or seeps were observed during the Phase I ESA (Appendix A). No remedial activities are currently taking place at the property.

History of the Property

Historical documents, including aerial photos and/or topographic maps, provide insight into development at the Property over the years (Appendix A). They indicate that in 1904 the Property was still an undeveloped marsh with a few roads bordering the Property and the Bellevue Range Rear Light Station located adjacently to the property in the Christina River. The surrounding area was moderately developed, including a large residential area northwest of the Property and commercial areas to the south. In 1919, the land at the Property was drier and firm with less marshy areas, and the southeastern portion of the Property extended into the Delaware River. In the 1940's, the eastern portion of the Property extended further into the Delaware River and two buildings were erected on southern boundary of the Property along the Christina River. In the 1950's, dikes were added to the Property and large amounts of soils were imported, which converted the marsh to fairly dry and firm land along the eastern boundary. In 1967, vegetation was no longer present in the southeastern portion of the Property. In 1970, large amounts of soil were imported, which converted the northern and eastern boundaries into solid ground, and soil was also added to the main section of the Property. Between 1982 and 1997, two distinct cells in the west and the east were created and multiple levees were built along

the borders of each cell. Only the western cell is part of the Property. Between 1995 and 2019, there were fluctuating elevation changes and vegetation cover varied over the years.

1.3 Purpose and Need of Project

The Wilmington Harbor North CDF was utilized by USACE for over 100 years. The site has reached its capacity to service USACE for the volumes of dredge material that USACE used the site for without major upgrades to the site. Because USACE has other options for dredge material disposal, continued use / upgrading WHN CDF is not economically feasible for USACE. The Property was identified as excess property and was slated for conveyance to the State of Delaware in WRDA 2020, Section 356(d).

DSPC, who owns the Port of Wilmington, would take ownership as the entity for the State of Delaware and would continue to use the property as a dredge material disposal site (the site can accommodate DSPC dredging events without major upgrades). The CDF would be used by DSPC for disposal of material from maintenance dredging of the berthing area, as well as for overflow for initial construction of the Edgemoor Expansion project.

1.4 Scope of EA

This EA analyzes the impacts from the No Action Alternative and the Proposed Action on environmental, socioeconomic, historic, and cultural resources. The descriptions of the physical, chemical, and biological conditions of the Property and adjacent areas are based on data collected in prior studies, the Phase I ESA (Appendix A), and data collected from state and federal agencies.

This EA has been prepared in accordance with the NEPA, as well as 33 CFR Part 230 (USACE NEPA Regulations). The USACE is the Lead Federal Agency for this NEPA review.

2.0 PROPOSED ACTION AND ALTERNATIVES

2.1 No Action Alternative

Under the No Action Alternative, the Property would not be transferred to DSPC. The land would be subject to the USACE standard disposal process, including a Declaration of Excess. Once the Subject lands are declared excess, they would be transferred to the U.S. General Services Administration (GSA) for the completion of the standard disposal process. GSA would determine the appropriate path forward for transfer of the Property and would complete separate NEPA documentation for this action.

2.2 Description of Proposed Action

The USACE has the authority under Section 356(d) of the WRDA of 2020 to convey this federally-owned Property to the State of Delaware. The Proposed Action includes the conveyance of the Property (approximately 172 acres) from the USACE to the DSPC (as an Agent of the State of Delaware). The Property would continue to be used as a CDF under DSPC ownership, and activities consistent with use of the Property as a dredge material disposal site would continue to occur. DSPC anticipates utilizing the Property for Edgemoor maintenance dredging events, and as a contingency site for dredged material from initial construction. DSPC use of the site as a CDF is anticipated to be at less quantities of dredged material disposal per event (average 300,000 cubic yards per maintenance dredging event) than USACE previously placed on the site per event (1.5 million – 2 million cubic yards for one dredge event). The site would continue to be managed to promote dewatering and settling of the existing material.

2.3 Summary Comparison of Impacts by Alternative

Table 2.3-1 summarizes and compares the impacts from Chapter 4 by environmental resource and alternative. Where an impact is not specifically identified as adverse or beneficial, the reader should assume the impact is adverse.

Table 2.3-1 Impacts of the No Action Alternative and Proposed Action by Resource

Resource	No Action	Proposed Action
Socioeconomics (including Environmental Justice)	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	No new or additional adverse impacts; site would continue to be used as a CDF. Proposed Action would not have adverse socioeconomic or environmental impacts on minority and low-income populations in Wilmington, DE.
Land Use	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	No new or additional adverse impacts; site would continue to be used as a CDF.
Geology and Soils	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	No new or additional adverse impacts; site would continue to be used as a CDF, but DSPC use would be less quantity of material per dredge event than previous use by USACE.
Hydrology	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	No new or additional adverse impacts; site would continue to be used as a CDF. The site would continue to be managed to promote dewatering and settling of the existing material on site.
Wetlands	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	No new or additional adverse impacts; site would continue to be used as a CDF. DSPC has received Section 404 Permit for continued use of site as a CDF.
Water Quality	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	No new or additional adverse impacts; site would continue to be used as a CDF. Based on the Phase I Environmental Site Assessment, there was no evidence of leachate, seeps, or surface water contamination at the Property. Continued operations of the CDF would not input any new contaminants into the Delaware River.
Aquatic Resources	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	No new or additional adverse impacts; site would continue to be used as a CDF. Settlement basins and decanting water reduces contaminant levels and turbidity in the effluent before it is released back into the river. Dredging, and associated dredged material placement operations are typically conducted outside the anadromous fish migration period.

Resource	No Action	Proposed Action
Terrestrial Resources	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	No new or additional adverse impacts to terrestrial resources are anticipated; site would continue to be used as a CDF.
Protected Species	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	No new or additional adverse impacts; site would continue to be used as a CDF. No known protected species have been identified on the Property.
Cultural Resources	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	No new or additional adverse impacts; site would continue to be used as a CDF. Ingress and egress to the Bellevue Light Station would be maintained under DSPC ownership.
Air Quality	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	No new or additional adverse impacts; site would continue to be used as a CDF. Operation of the CDF by USACE did not result in exceedance of air quality standards, nor should continued use of the CDF by DSPC.
Hazardous, Toxic, and Radioactive Waste	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	The site would continue to be used as a CDF; the composition of the dredge material being disposed would not change; therefore, no new or additional adverse impacts would occur.
Climate Change	Property would transfer to GSA; future uses and potential impacts would be discussed under separate NEPA documentation.	Greenhouse gas emissions would continue to occur from dredging and/or site improvement equipment (when used), but the very limited frequency of use would not result in significant, adverse impacts to climate change from continued use of the site as a CDF.

3.0 AFFECTED ENVIRONMENT

3.1 Socioeconomics

The Property is located in the City of Wilmington along the Christina River and Delaware River in New Castle County, Delaware. According to the United States Census Bureau (USCB) from 2020 data, New Castle County is the most populous county in Delaware with 558,306 people, which is nearly 60% of the state population (967,679 people) (USCB 2022b). The entire county is 426 square miles and has approximately 1,310 persons per mile (Table 3.1-1) (USCB 2022b). New Castle County is largely metropolitan with approximately 37 percent of land developed, 21 percent forested, and 22 percent agricultural (Table 3.1-2) (MRLC 2019). Open space in New Castle County includes wildlife refuges; wildlife management areas; and state, county, and local parks. This includes the First State National Historic Park, located about 5 miles south of the Project. Approximately 19 percent of the 311,434 acres in the county are open space (New Castle County GIS Services 2022).

Table 3.1-1 Socioeconomic Data for New Castle County and Wilmington, Delaware

	New Castle County	Wilmington
Population	558,306	70,655
Area (sq miles)	426	11
Population density	1,310	6,485
Median Age	38.7	35.9
Education - high school graduate or higher	92.1%	88.0%
Bachelor's degree or higher	36.7%	28.8%
Housing units	224,242	33,849
Median home value	$266,500	$173,500
Median household income	$75,275	$45,139
per capita income	$38,965	$31,170
Persons below poverty line	10.8%	24.9%

Source: USCB 2020a; USCB 2020b

Table 3.1-2 New Castle County Land Cover

County Land Cover	Acreage	Percentage
Barren Land	377.17	0.1%
Cultivated Crops	57,892.31	18.6%
Deciduous Forest	30,530.80	9.8%
Developed, High Intensity	12,109.33	3.9%
Developed, Low Intensity	37,617.97	12.1%
Developed, Medium Intensity	24,845.00	8.0%
Developed, Open Space	39,797.46	12.8%
Emergent Herbaceous Wetlands	18,941.65	6.1%
Evergreen Forest	862.81	0.3%
Hay/Pasture	10,772.40	3.5%
Herbaceous	1,313.31	0.4%
Mixed Forest	8,659.13	2.8%
Open Water	39,524.64	12.7%
Shrub/Scrub	1,564.30	0.5%
Woody Wetlands	26,625.35	8.5%
Total	**311,433.62**	**100%**

Source: MRLC 2019

The median age in New Castle County is 38.7, with 92.7 percent of the adult population having a high school degree or higher, and 36.7 percent holding a bachelor's degree or higher (Table 3.1-1). Out of the 92 percent of high school graduates in New Castle County, 25 percent have some college education, 21 percent hold a bachelor's degree, and 16 percent have a post-graduate education. Approximately 8 percent of the county's adult population do not have a degree (USCB 2020b).

Within New Castle County, the City of Wilmington is the most populous city in the State of Delaware with a population of 70,898 people (USCB 2020d). There are approximately 6,485 people per square mile within the 11 square mile city (Table 3.1-1) (USCB 2022a). The median age is 35.9. Approximately 88 percent of the Wilmington population is educated with a high school degree or higher (USCB 2020a). This is just slightly below the rate in Delaware which is 90.6 percent and the national rate (88.5 percent) (USCB 2020c). Out of the 88 percent, 38 percent have a high school degree, 22 percent have some college, 17 percent have a bachelor's degree, and 12 percent post-graduate degrees. Approximately 12 percent of the population have no educational degrees (USCB 2020a).

There are 209,461 households within New Castle County, of which 29,708 households are located in the City of Wilmington (Table 3.1-1). New Castle County contains 224,242 housing units, of which 68 percent are owner occupied (USCB 2020b). There are 33,849 housing units within the City of Wilmington, with 88 percent of them occupied in 2020, 56 percent of these units were renter-occupied with the other 44 percent owner occupied (USCB 2020a). The median value of owner-occupied housing units in Wilmington is $173,500 (USCB 2022a). This is $93,000 less than the County's median housing unit value of $266,500 (USCB 2022b).

The median household income in New Castle County is $75,275 per year with a per capita income of $38,965 per year (USCB 2020b). Approximately 10 percent of households have an annual income of $200,000 or more and 33 percent of households have an income less than $50,000 a year (USCB 2020b). About 10.8 percent of the population within New Castle County live below the poverty line. This is less than the 11.4 percent poverty rate within the state of Delaware (USCB 2020c).

In the City of Wilmington, the median household income is $45,139 per year, and median income per capita is $31,170 (USCB 2020a). Approximately 5 percent of the population has an annual income of $200,000, while 54 percent of the population has an annual income of less than $50,000. About 24.9 percent of the population in Wilmington is living below the poverty line (USCB 2020a). This is more than double the rate in the state of Delaware, which is 11.4 percent of people below poverty line (USCB 2020c).

In New Castle County, the major employment sectors are Health Care and Social Assistance (15.1 percent), Retail Trade (10.8 percent), and Finance and Insurance (10.5 percent) (Table 3.1-3) (USCB 2020d). The industries that pay the highest median income in New Castle County are Computer & Mathematical Occupations ($85,266); Computer, Engineering, and Science Occupations ($80,955); and Architecture and Engineering Occupations ($80,544) (DataUSA 2019b).

Out of the 32,101 individuals employed in the City of Wilmington, the Health Care and Social Assistance industry employs the most individuals, representing 18.1 percent of all employment (Table 3.1-3) (DataUSA 2019a). The Finance and Insurance industry (9.9 percent) and the Retail Trade industry (9.7 percent) are the other top two industries in the City of Wilmington (DataUSA 2019a). The industries that pay the highest median income in Wilmington are Utilities ($90,500), Management of Companies and Enterprises ($88,031), and Professional and Scientific Services ($72,519) (DataUSA 2019a).

Table 3.1-3 Labor Statistics from 2016 to 2019 for New Castle County and the City of Wilmington

Industry Type	New Castle County		City of Wilmington	
	Total	Percent of Workforce	Total	Percent of Workforce
Agriculture, forestry, fishing, and hunting	1,557	0.6%	114	0.4%
Mining, quarrying, and oil and gas extraction	130	0.0%	34	0.1%
Construction	15,774	5.7%	1,052	3.3%
Manufacturing	21,216	7.7%	2,016	6.3%
Wholesale trade	6,107	2.2%	663	2.1%
Retail trade	29,878	10.8%	3,099	9.7%
Transportation and warehousing	15,030	5.4%	1,928	6.0%
Utilities	2,491	0.9%	171	0.5%
Information	3,518	1.3%	284	0.9%
Finance and insurance	29,094	10.5%	3,168	9.9%
Real estate and rental and leasing	3,850	1.4%	408	1.3%
Professional, scientific, and technical services	19,696	7.1%	2,095	6.5%
Management of companies and enterprises	365	0.1%	103	0.3%
Administrative and support and waste management services	12,113	4.4%	1,674	5.2%
Educational services	27,855	10.1%	2,892	9.0%
Health care and social assistance	41,857	15.1%	5,814	18.1%
Arts, entertainment, and recreation	5,139	1.9%	766	2.4%
Accommodation and food services	17,263	6.2%	2,108	6.6%
Other services, except public administration	10,862	3.9%	1,790	5.6%
Public administration	12,575	4.6%	1,922	6.0%
Total: Civilian employed population 16 years and over	**276,370**	**100.0%**	**32,101**	**100.0%**

Source: USCB 2020d; USCB 2020e

The Delaware River Basin provides nearly $25 billion annually in economic activities. Studies from the University of Delaware predict the Delaware River Basin supports $10 billion in annual wages for industries such as recreation, hunting and fishing and $21 billion annually in ecosystem goods and services such as improving water quality, and water supply (DRBC 2020). The Delaware River and Bay supports many of the industries within the county and city. The Delaware River supports shipping industries for military supplies and equipment, oil and gas, steel, paper, meat and produce, and the Port of Wilmington contains the largest U.S. banana importer, handling over one million tons of produce from Central America annually. (DRBC 2020).

3.1.1 Environmental Justice

Executive Order 12898 (Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations) requires that Federal agencies identify and address whether a proposed project's programs, policies, or activities would have any disproportionately high and adverse human health or environmental effects on minority populations, low-income populations, or Native American Tribes. According to the Executive Order provisions, a minority is defined as individuals who are members of specific population groups which includes American Indian or Alaskan Native; Asian or Pacific Islander; Black, not of Hispanic origin; or Hispanic. Minority populations are identified if minority groups comprise over 50 percent of the affected area or represent a meaningfully larger percentage of the affected area than that of the general population. Low-income populations are identified in an affected area by the statistical poverty thresholds (CEQ 1997).

Data from the USCB was evaluated to illustrate the population demographics and socioeconomics of New Castle County and the City of Wilmington, Delaware. The EPA's EJScreen, an environmental justice (EJ) screening and mapping tool, was used to identify minority and low-income populations within the vicinity of the Property and identify environmental hazards that impact these communities.

According to the 2020 U.S. Census, the population of New Castle County increased by 5.99 percent from 2010 to 2020, gaining approximately 32,240 individuals (USCB 2020e). Of the 558,306 people in New Castle County, 55.1 percent identified as White, and 25.7 percent as Black. Other racial groups include Native American (0.4 percent), Asian (6.2 percent), a mix of two races (7.7 percent), or other (5.0 percent) (USCB 2020e).

The population of City of Wilmington decreased by 0.07 percent, approximately 47 individuals, from 2010 to 2020 (USCB 2020d). According to the 2020 U.S. Census, 56.2 percent of the 70,898 people within the City of Wilmington identified as Black and 28.7 percent identified as White (Table 3.1-4). Other racial groups include Native American (0.4 percent), Asian (1.3 percent), a mix of two races (7.2 percent), or other (6.2 percent) (USCB 2020d). Approximately 11 percent of the Wilmington population identified as Hispanic (USCB 2020a).

The majority (88 percent) of homes within the City of Wilmington are English-only speaking. This is compared to 84 percent English-Only speaking homes in New Castle County and 79 percent of homes in the United States. In Wilmington, 7.7 percent of the population were born in a foreign county, with the majority of these people from Latin America (63 percent), followed by Asia (16 percent), and Europe (11 percent) (USCB 2020a). The median household income in Wilmington is $45,139 per year and about 24.9 percent of the population is living below the poverty line (USCB 2020a).

Table 3.1-4 Population and Race Statistics from 2010 to 2020

Race	New Castle County				Wilmington			
	2010	2020	% of Population (2020)	% Change in Population	2010	2020	% of Population (2020)	% Change in Population
White alone	352,955	314,231	55.1%	-11.0%	23,079	20,334	28.7%	-11.9%
Black or African American alone	127,786	146,544	25.7%	14.7%	41,127	39,854	56.2%	-3.1%
American Indian and Alaska Native alone	1,574	2,156	0.4%	37.0%	312	288	0.4%	-7.7%
Asian alone	23,300	35,200	6.2%	51.1%	685	932	1.3%	36.1%
Native Hawaiian and Other Pacific Islander alone	159	175	0.0%	10.1%	10	28	0.0%	180.0%
Other Race alone	19,115	28,714	5.0%	50.2%	3,811	4,384	6.2%	15.0%
Two or More Races	13,590	43,699	7.7%	221.6%	1,827	5,078	7.2%	177.9%
Total Population	**538,479**	**570,719**	**-**	**5.99%**	**70,851**	**70,898**	**-**	**0.07%**

Source: USCB 2020d, USCB 2020e

EJScreen combines demographic and environmental information for a geographical area to calculate 12 Environmental Justice (EJ) Indexes. Census block groups are used to compile these data for a selected buffer around the Property (EPA 2022). Here, a 5-mile buffer was used to encompass the City of Wilmington and represent communities adjacent to the Project. Each EJ Index is calculated separately by combining the demographic indicators (people of color and low-income communities) with each of the environmental factors (e.g., particulate matter). EJ Indexes are higher in areas with larger number of low-income and/or minority residents (EPA 2022). The EJ Indexes are reported in percentiles that the selected area represents when compared to a larger group (i.e., region, state, and nation) (EPA 2022). For example, if the selected area is at the 60th percentile of the nation, the average person within the selected area represents greater than or equal to 60 percent of the nation's population.

According to the EJScreen report, 53 percent of the community within a 5-mile radius of the Project identify as people of color and 35 percent of the community are considered low income (Table 3.1-5). The Demographic index for this area is at the 75th percentile of the state, and 68th percentile of the nation, suggesting a greater than average proportion of this community is considered susceptible (Table 3.1-6). EJ Indexes for vicinity of the Property ranged from the 71st to 96th percentile of the state and 66th to 95th percentile of the nation (Table 3.1-6). The highest indexes were wastewater discharge, proximity to hazardous waste, proximity to traffic, and proximity to a superfund site. The EPA identified two National Priorities List (NPL) superfund sites and 23 hazardous waste treatment, storage, and disposal facilities within the 5-mile radius of the Project. These environmental factors, as well as others listed in Table 3.1-6, compound to add further stress on a vulnerable community. Table 3.1-5 reports the raw values of environmental and demographic factors and their percentile in the state and nation. Table 3.1-6 reports the percentiles of the EJ indexes for the community within the Property vicinity as compared to the state and national EJ Indexes.

Table 3.1-5 Raw Values of Environmental and Demographic Factors Within a 5-Mile Radius of the Property and How They Compare to State and National Averages

Environmental Factors	Local Value	State Average	Percentile in State	National Average	Percentile in Nation
Particulate Matter 2.5 (µg/m^3)	8.68	7.79	85	8.74	52
Ozone (ppb)	42.8	42.8	37	42.6	55
2017 Diesel Particulate Matter (µg/m^3)	0.37	0.246	86	0.295	70-80th
2017 Air Toxics Cancer Risk (risk per lifetime per million people)	35	26	96	29	90-95th
2017 Air Toxics Respiratory Hazard Index (HI)	0.37	0.29	95	0.36	70-80th
Traffic Proximity (daily traffic count/distance to road)	1200	570	85	710	85
Lead Paint (% pre-1960s housing)	0.62	0.23	87	0.28	84
Superfund Proximity (site count/km distance)	0.41	0.31	76	0.13	93
RMP Facility Proximity (facility count/km distance)	0.95	0.55	79	0.75	75
Hazardous Waste Proximity (facility count/km distance)	4.2	1.7	87	2.2	85
Underground Storage Tanks	4.3	1.9	86	3.9	75
Wastewater Discharge (toxicity-weighted concentration/m distance)	7.5	1.4	96	12	97
Demographic Factors	**Local Value**	**State Average**	**Percentile in State**	**National Average**	**Percentile in Nation**
Demographic Index	44%	32%	75	36%	68
People of Color	53%	38%	74	40%	67
Low Income	35%	26%	74	31%	62
Unemployment Rate	7%	5%	73	5%	73
Linguistically Isolated	3%	2%	69	5%	60
Less Than High School Education	12%	10%	67	12%	62
Under-Age 5	6%	6%	64	6%	59
Over Age 64	15%	18%	44	16%	54

Source: EPA 2022

Table 3.1-6 Percentiles of EJ Indexes for a 5-Mile Radius around the Property compared to State and National Scores

EJ Index	Percentile in State	Percentile in Nation
EJ Index for Particulate Matter 2.5	71	66
EJ Index for Ozone	71	66
EJ Index for 2017 Diesel Particulate Matter	77	71
EJ Index for 2017 Air Toxics Cancer Risk	76	69
EJ Index for 2017 Air Toxics Respiratory HI	74	67
EJ Index for Traffic Proximity	85	83
EJ Index for Lead Paint	83	80
EJ Index for Superfund Proximity	79	87
EJ Index for RMP Facility Proximity	82	77
EJ Index for Hazardous Waste Proximity	86	83
EJ Index for Underground Storage Tanks	84	77
EJ Index for Wastewater Discharge	96	95

Source: EPA 2022

3.2 Land Use

The Property is located on the Christina River in New Castle County, DE in Wilmington, near the confluence of the Christina River and the Delaware River, and is zoned as Heavy Industrial (New Castle County 2022). Adjacent to the Property are the Cherry Island Landfill to the north and northeast, the Delaware River to the east, the Christina River (with commercial and industrial properties including the Port of Wilmington) on the southern shore, and I-495 to the west (Appendix A). An electrical service manhole and a pole-mounted transformer are located at the southern portion of the Property, and stormwater management features such as berms, drains, and outfall structures are located on the Property (Appendix A).

The Property was previously comprised of undeveloped marshlands until 1914, when it was developed and used for disposal of dredge material. The Property is still designated as a CDF but has not been actively used for dredge material disposal in the recent past (Appendix A). See Figure 3.2-1 for Land Cover Classifications.

3.2.1 Coastal Zone Management Act (CZMA)

The Property is located within Delaware's coastal zone and is therefore under the purview of the Delaware Coastal Management Program (DCMP), which requires entities to submit a Federal Consistency Form for federal actions that may affect coastal use or resources in

Delaware to the State for review. There are wetlands located on the Property, (see Wetland Section 3.5) but no public lands, beaches, or agricultural areas (Appendix A).

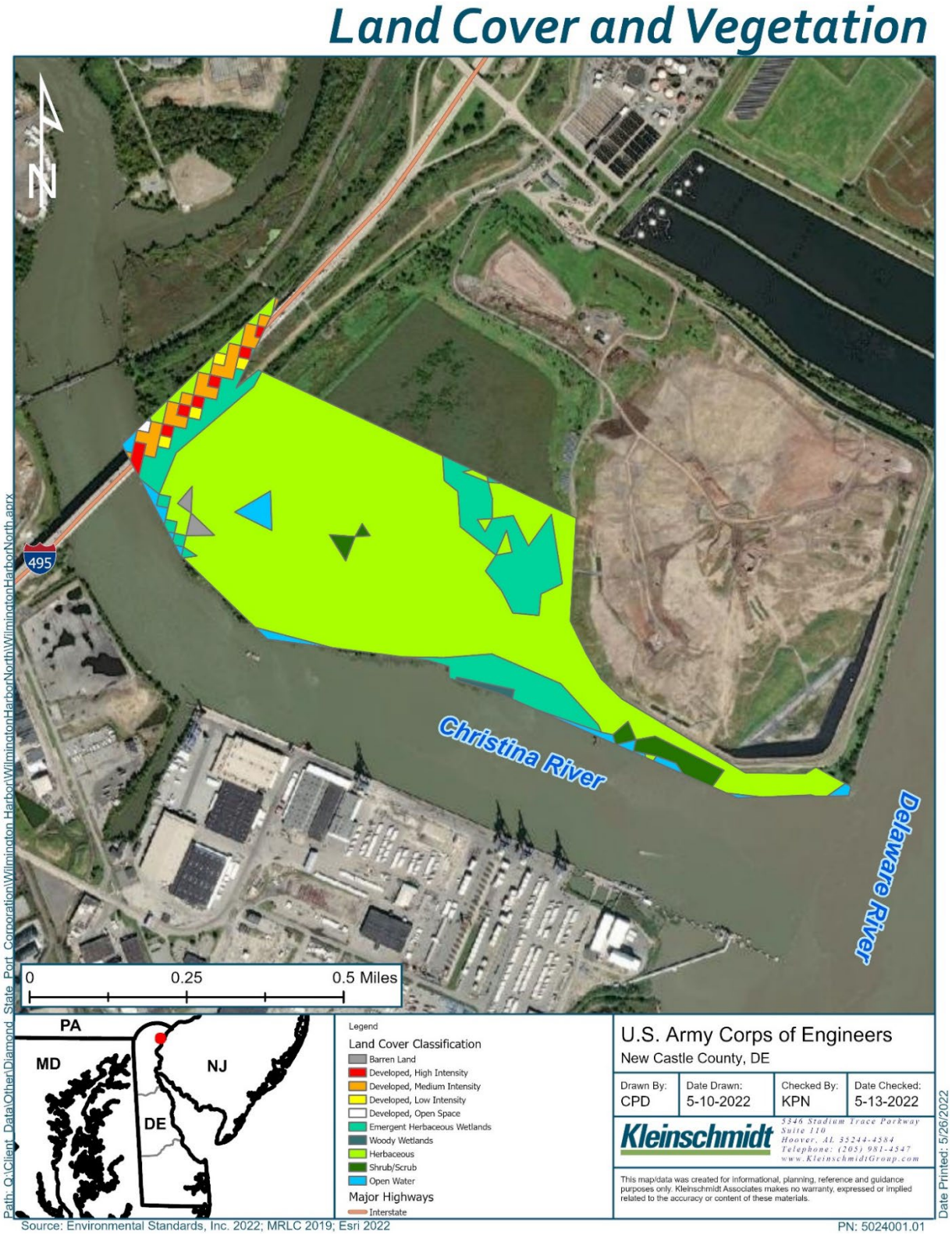

Figure 3.2-1 Land Cover Classifications within the Property Boundary

3.3 Geology and Soils

The Property is located in the Eastern Broadleaf Forest (Oceanic) Province. This level III ecoregion is characterized by a diverse topography and altitudes ranging from 1,000 to 3,000 feet above mean sea level (msl). The main soil formation process in this ecoregion is podzolization (USFS 2022), which involves the leaching of upper layers of soil with accumulation of material in the deeper layers, resulting in the creation of characteristic horizons. Soils are typically Alifsols, but Ultsiols are present in the lower latitudes (USFS 2022).

The bedrock underneath the Property is classified as part of the Windy Hill Gneiss Formation, which is characterized by thin, interlayered, fine- to medium-grained hornblende-plagioclase amphibolite, biotite gneiss, and felsic gneiss, likely metavolcanic (Delaware Geological Survey 2000). Soils within the Property are primarily Udorthents, but a small amount of Othello silt loams are also present (Figure 3.3-1). Table 3.1-1 describes the soil variety within the Property (NRCS 2022). Environmental Standards found no stained soils, leachate, or seeps on the Property during the March 16, 2022, site visit (Appendix A).

Table 3.3-1 Soils of the Wilmington Harbor North Disposal Area

Soil Type	Symbol	Area[1] (acres)	Percentage	Soil Description
Othello silt loams, 0 to 2 percent slopes, northern coastal plain	OtA	0.4	0.2	Silt loam, sandy loam, and loamy sand derived from silty eolian deposits over fluviomarine deposits typically found on flats, depressions, and swales
Udorthents, wet substratum, 0 to 2 percent slopes	UwA	10.1	6.1	Loams and sandy loams derived from fluviomarine sediments typically found on flats and knolls
Udorthents, 10 to 30 percent slopes	UzF	48.4	29.2	Sandy loams derived from fluviomarine sediments typically found on knolls and hillslopes
Udorthents, refuse substratum, 0 to 2 percent slopes	UsB	107.1	64.5	Sandy loams and clay loams derived from refuse and rubble over mine spoil or earthly fill

NRCS 2022

[1] Acreages add to 166.0 ac (vs 172 ac) because 6 acres are designated as Water

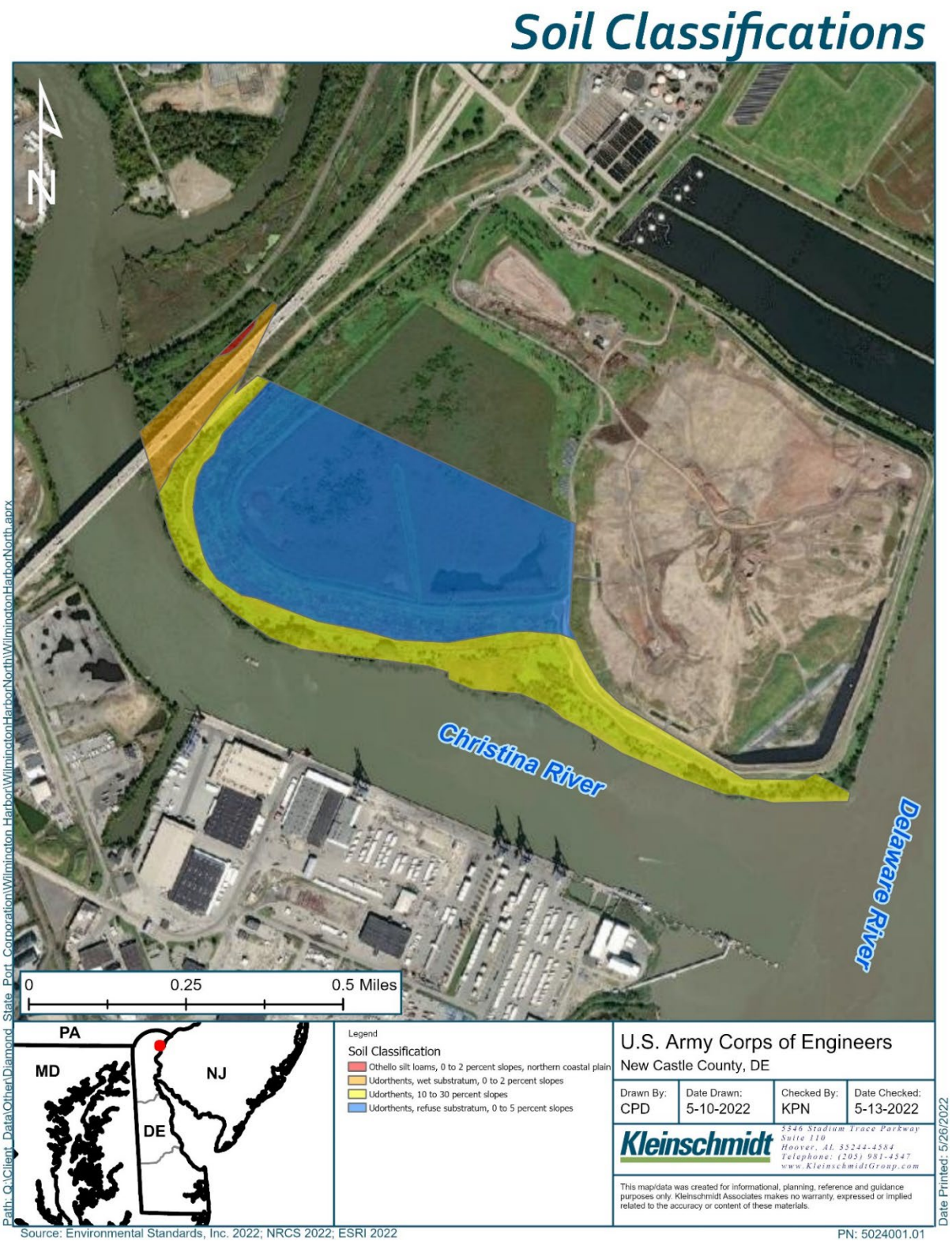

Figure 3.3-1 Soil Classifications within the Property Boundary

3.4 Hydrology

3.4.1 Delaware Estuary

The Delaware Estuary is a watershed that encompasses the mouth of the Delaware Bay between Cape May, NJ and Cape Henlopen, DE upstream through Wilmington, Camden, and Philadelphia to the falls of the Delaware River in Trenton, NJ (Santoro 2004). Hydrodynamics of the estuary are mainly influenced by inflow of freshwater, circulating ocean currents, and wind. The Delaware River at Trenton contributes most of the freshwater inflow, followed by the Schuylkill River, tributaries, and overland (Santoro 2004).

3.4.2 Floodplains

Based on the ESA, the Property also has a Special Flood Hazard Area located along the Southern border. Special Flood Hazard Areas are identified by the United States Federal Emergency Management Agency (FEMA) as an area with special flood or mudflow, and/or flood related erosion hazard (Code of Federal Regulations (CFR) 44).

3.4.3 Groundwater

Environmental Standards visited the Property on March 16, 2022 to assess conditions and environmental impacts from historical and current use of the site, including existing groundwater data. Groundwater monitoring wells and piezometers associated with the adjacent Cherry Island Landfill were found on the southeastern portion of the Property (Appendix A). Based on information from other studies of groundwater in the surrounding area, Environmental Standards stated that under natural aquifer conditions, shallow groundwater under the Property can be expected to flow southeast to the Delaware River, but Environmental Standards found no leachate or seeps on the Property during the site visit (Appendix A). Assumed groundwater flow direction was considered in an evaluation of off-site properties that may be of concern to the Property. The Salvage Yard Relocation Area II may be an area of concern due to its upgradient location from the Project (Appendix A).

3.5 Wetlands

Using data provided by the USFWS through the National Wetland Inventory (USFWS NWI 2022), within the Property there are approximately 76.5 acres of wetlands and includes 62.6 acres of freshwater emergent wetlands, 7.1 acres of estuarine and marine wetlands, and 6.8 acres of estuarine and marine deepwater (Table 3.5-1; Figure 3.5-1). Most of the

freshwater emergent wetlands have been artificially created due to CDF operations and storage. As part of the construction of the CDF, containment berms have been erected to contain dredged materials. As a result, manmade wetlands within the containment berms developed. The estuarine and marine wetlands are located along the edge of the Christina River and adjacent to the 495 Interstate Highway.

The freshwater emergent wetlands are classified as PEM1Ks, PEM5/SS1Ks, and PEM1/SS4R. The PEM1Ks wetlands are non-tidal wetlands characterized by erect, rooted herbaceous hydrophytes and is dominated by species that normally remain standing until the next growing season. The PEM1Ks wetland is created by artificial flooding, and the main soil type is dredge material, which is defined as material that has been excavated and emplaced by humans. PEM5/SS1Ks wetlands are similar to the PEM1Ks wetland classification described above with the exception that this area is dominated by woody vegetation and the common reed (*Phragmites australis*). The PEM1/SS4R wetlands are also similar to the wetland types described above but are dominated by scrub shrubs and needle-leaved evergreens that are young or stunted in growth. The PEM1/SS4R wetland is seasonally flooded with tidal fresh surface water. This wetland type can be found outside the berms and adjacent to northwestern side of the highway.

Estuarine and marine wetlands habitats are located outside of the berms in two locations within the Property. One area along the 495 Interstate Highway on the western side of the project boundary and another area along the central southern portion of the project boundary adjacent to the Christina River. Both locations have two classifications, E2EM5P and E1UBL. The E2EM5P wetlands are estuarine intertidal wetlands characterized by erect, rooted herbaceous hydrophytes and dominated by perennial plants and the common reed. Tides flood the substrates within these wetlands less often than daily. The E1UBL classification is an estuarine and marine deepwater habitat and is how the Christina River is classified. This habitat can be found on the edge of the Property and is estuarine and subtidal, with unconsolidated bottoms.

Table 3.5-1 Wetlands within the Property

Wetland Type	Classification	Acres
Freshwater Emergent Wetland	PEM1Ks	43.1
Freshwater Emergent Wetland	PEM5/SS1Ks	17.1
Freshwater Emergent Wetland	PEM1/SS4R	2.4
Estuarine and Marine Wetland	E2EM5P	7.1
Estuarine and Marine Deepwater	E1UBL	6.8

USFWS NWI 2022

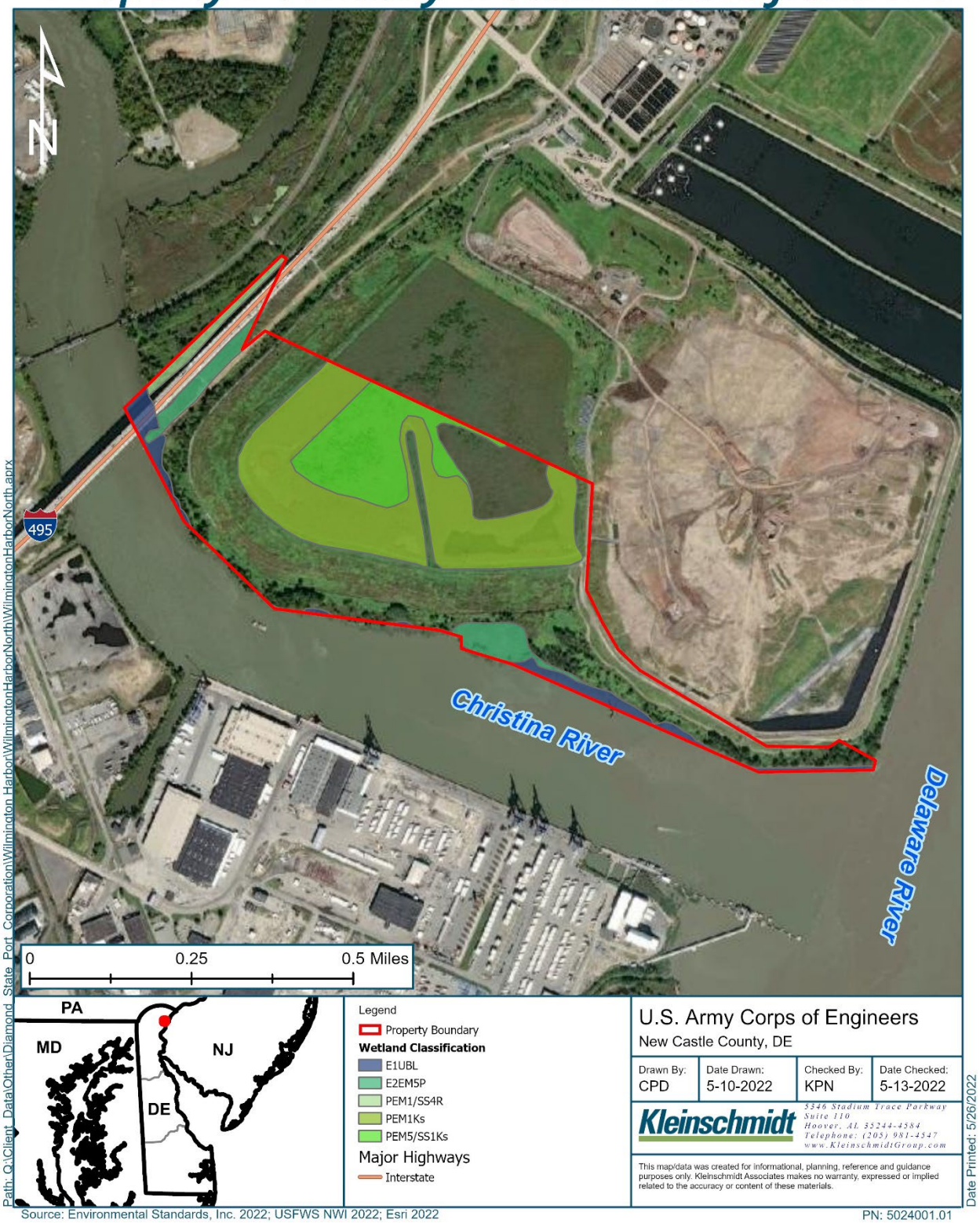

Figure 3.5-1 Wetlands within the Property

3.6 Water Quality

The Delaware River and Estuary occupies over 6,700 square miles in three separate states and extends 134 miles from the mouth of the Delaware Bay to Trenton, New Jersey. The Delaware River supports heavy industrial use, large freshwater port systems, and several refinery areas which have collectively caused water quality concerns throughout history (Santoro 2004). Approximately 13.3 million people rely on the Delaware River for drinking water or industrial use (DRBC 2020). Pollution in the Delaware River has been a concern for centuries, specifically in the tidal reaches of urban areas. These water quality issues were caused by rapid population growth and industrial uses and was evident by waterborne illnesses and the lack of migratory fishes returning to spawn (DRBC 2021). By World War II, the river was so filled with sewage and industrial waste, it turned ships paint brown and people were sickened by the smell of it. There were areas devoid of oxygen and considered a dead zone for aquatic life. In 1961, the federal-interstate agency Delaware River Basin Commission (DRBC) was created, and in 1967 it adopted the most comprehensive water quality standards of any interstate river basin commission in the Nation. By the late 1980s, the introduction of major sewage treatment facility upgrades improved dissolved oxygen (DO) levels (DRBC 2021). In 1989, the DRBC began the Delaware Estuary Toxics Management Program, which was designed to control discharge of toxic pollutants from wastewater treatment plants. The latest toxin criteria were updated in 2010 (DRBC 2021).

There are three ecological zones in the Delaware River that are distinguished by salinity, turbidity, and productivity. The upper zone contains freshwater under tidal influence and flows from Trenton, NJ at river mile (RM) 135 to Marcus Hook, PA (RM 83), which is located approximately 8 miles north of the Property, which is at RM 75. From Marcus Hook to Artificial Island (RM 55), approximately 20 RM downstream of the Property, is considered the transition zone. This zone is characterized by a wide range of salinity from 0 to 15 parts per thousands (ppt), high turbidity, and low primary production. The lower zone is the Delaware Bay which extends into the Atlantic Ocean and has high salinity, primary production, and large areas of shallow water (Santoro 2004).

Dissolved oxygen (DO) levels have shown dramatic improvements when compared to past data. From 1999 to 2004 water quality sampling occurred in areas located upstream of the Property (Rm 85 to RM 111). Average DO was measured at 4.5 mg/L within the area sampled (Santoro 2004). These DO levels provide enough oxygen for bottom feeders, crabs, oysters, and worms, which require a range of DO from 1mg/L to 6 mg/L. Shallow

water fishes require at least 4 mg/L DO and therefore the DO measured was at the lower range biologically required for these fishes (Osmond et al. 1995). During the summer months, seasonal declines in DO are seen, but the 1999 to 2004 data indicated less seasonal decline when compared to the past two decades. Improvements to DO have continued from the 1970's (Santoro 2004).

Bacteria and nutrients in recent years have shown generally positives trends when compared to past data. Sampling from 1998 to 2003 within the main channel of the Delaware River showed mean annual (March to November) bacterial levels below the federal primary contact recreation standards. However, along the shorelines and within the tidal zones, these federal criteria standards were consistently exceeded (Santoro 2004). The Delaware River receives some of the largest nutrient loads of any estuary in the United States, especially in the reaches along Burlington, New Jersey to Wilmington, Delaware (Santoro 2004). The total estimated nitrogen load to the Estuary is about 1.1 × 108 pounds per year; and the total estimated phosphorous load is approximately 2.1 × 107 pounds per year (Sutton et al. 1996). The primary production in the estuary is inhibited by turbidity of the water despite the high nutrient loading (Santoro 1998, Santoro 2004).

Water quality within the Property vicinity was evaluated during the 2020 Water Quality Assessment by DRBC. Based on this assessment, within the Property vicinity, aquatic life is not fully supported due to pH and temperature levels. Consumption of any finfish is also not supported within these areas due to PCBs, dioxins, furans, and dieldrin (DRBC 2020). There are fish consumption limits that exist in all water quality management zones in the Delaware Bay or River, and consumption advisories are issued primarily due to the presence of polychlorinated biphenyls (PCBs) and mercury in fish tissue samples (DRBC 2008, DNREC 2013). Shellfish consumption should only occur within the Delaware Bay area, which is located further downstream from the Property area. Recreational contact with the water is fully supported within the Property vicinity. The area is not used for drinking water (DRBC 2020), but overall water quality has improved when compared to the early 1900's.

3.7 Aquatic Resources

The Delaware River and Estuary inhabits a wide variety of finfish and shellfish that make up a productive commercial and recreational fishery. This productive river stretches 134 miles from the Trenton Falls to the Mouth of the Delaware Bay (Santoro 2004). The Property is located within the Lower Estuary subregion of the Delaware Estuary and Basin (Partnership for the Delaware Estuary 2017). Approximately 85 species have been

recorded in commercial and recreational fisheries within the Delaware River (McHugh 1981). The Delaware Bay provides spawning habitat for the largest concentration of horseshoe crabs during the months of May and June (DDFW, n.d.). The estuary also provides important spawning and nursery areas for many fish species, including American shad (*Alosa sapidissima*), blueback herring (*Alosa aestivalis*), striped bass (*Morone saxatilis*), white perch (*Morone americana*), Atlantic menhaden (*Brevoortia tyrannus*), bay anchovy (*Anchoa mitchilli*), shortnose sturgeon (*Acipenser brevirostrum*), and Atlantic sturgeon (*Acipenser oxyrhynchus oxyrhynchus*) (Pyle 2012).

The largest proportion of fishery biomass in the estuary comes from Atlantic menhaden (McHugh 1981). American shad spawning has returned to the Delaware River following water quality improvements with population fluctuations likely resulting from natural variation. Striped bass population recovery was also notable in 2004 and has been largely attributed to improved water quality. From 1999 to 2004, harvest of striped bass stayed at approximately 2,500,000 to 3,500,000 fish, and estimates indicated juvenile striped bass index will remain high (Santoro 2004). Other important marine species that contribute to the commercial and recreational fishery include weakfish (*Cynoscion regalis*), American eel (*Anguilla rostrata*), bluefish (*Pomatomus saltatrix*), alewife (*Alosa pseudoharengus*), Atlantic croaker (*Micropogonias undulatus*), spot (*Leiostomus xanthurus*), surf clam (*Spisula solidissima*), and blue crab (*Callinectes sapidus*) (McHugh 1981).

The general timeframe for anadromous species activity in the Property vicinity is spring and early summer months where species are migrating upriver to spawning or foraging sites. Juvenile anadromous species start their outmigration in the fall months and some overwinter in deeper waters of Delaware Bay or offshore environments. Adult and juvenile shortnose sturgeon will typically stay within the Delaware River throughout the year. Atlantic sturgeon, particularly juveniles, will utilize fresh and low salinity habitats of the river for several years before out migrating to saltwater environments (Weisberg 1996).

3.8 Terrestrial Resources

3.8.1 Wildlife

The Property is in the Eastern Broadleaf Forest (Oceanic) province. Mammals in the ecoregion include white-tailed deer (*Odocoileus virginianus*), black bear (*Ursus americanus*), bobcat (*Lynxus rufus*), gray fox (*Urocyon cinereoargenteus*), raccoon (*Procyon lotor*), eastern gray squirrel (*Sciurus carolinensis*), fox squirrel (*Sciurus niger)*, eastern chipmunk (*Tamias striatus*), white-footed mouse (*Peromyscus leucopus*), woodland vole

(*Microtus pinetorum*), northern short-tailed shrew (*Blarina brevicauda*), and cotton mouse (*Peromyscus gossypinus*) (USFS 2022). The ecoregion also contains populations of game birds such as turkey (*Meleagris* spp.), ruffed grouse (*Bonasa umbellus*), quail (*Odontophoridae*), and mourning dove (*Zenaida macroura*) and breeding birds such as northern cardinal (*Cardinalis cardinalis*), tufted titmouse (*Baeolophus bicolor*), wood thrush (*Hylocichla mustelina*), summer tanager (*Piranga rubra*), red-eyed vireo (*Vireo olivaceus*), blue-gray gnatcatcher (*Polioptila caerulea*), and Carolina wren (*Thryothorus ludovicianus*) (USFS 2022). Reptiles include the box turtle (*Emydidae*), common garter snake (*Thamnophis sirtalis*), and timber rattlesnake (*Crotalus horridus*) (USFS 2022).

Protected species, including migratory birds and federally protected species, are discussed in Section 3.9, Protected Species.

3.8.2 Vegetation

The Eastern Broadleaf Forest (Oceanic) province is characterized by temperate deciduous forests with tall broadleaf trees that create a dense summer canopy and lose their leaves in the winter. Common tree species include American beech (*Fagus grandifolia*), tuliptree (*Liriodendron tulipfera*), basswoods (*Tillia* spp.), sugar maple (*Acer saccharum*), sweet buckeye (*Aesculus flava*), red oak (*Quercus rubra*), white oak (*Quercus alba*), eastern hemlock (*Tsuga canadensis*), and other species. Chestnut (*Castanea* spp.) was previously common in the area, but blight eradicated most of the species (USFS 2022).

Approximately 76 percent of the Property is covered in herbaceous vegetation with some shrubs and trees populating the bank of the Christina River (Table 3.8-1) (see Figure 3.2-1) (MRLC 2019).

Table 3.8-1 Land Cover of Wilmington Harbor North Confined Disposal Facility

Land Cover of Property	Acreage	Percentage
Barren Land	0.8	0.5
Developed, High Intensity	1.8	1.0
Developed, Medium Intensity	4.1	2.4
Developed, Low Intensity	0.9	0.5
Developed, Open Space	0.2	0.1
Emergent Herbaceous Wetlands	24.4	14.2
Woody Wetlands	0.5	0.3
Herbaceous	131.3	76.5
Shrub/Scrub	3.8	2.2
Open Water	3.9	2.3
Grand Total	**171.7**	**100.00**

Source: MRLC 2019

3.9 Protected Species

Federally listed endangered and threatened species that could potentially occur within the Property were identified using the USFWS Information for Planning and Consultation (IPaC) website on March 30, 2022 and an updated list was generated in April of 2023. The northern long-eared bat (*Myotis septentrionalis*) was identified as a federally threatened species and the monarch butterfly (*Danaus plexippus*) was identified as a candidate species. Neither species has critical habitat located within the Property (Appendix B, USFWS 2023b).

The northern long-eared bat is listed as an endangered species in Delaware and is listed as federally threatened. It is a medium sized bat with a wingspan of 9 to 10 inches and has long ears with medium to dark brown fur on its back, and pale brown fur on its underside. This species spends winters hibernating in caves, and during the summer in forested habitats. The northern long-eared bat diet consists mainly of insects that they captured by gleaning motionless insects from vegetation in the understory of forested areas (USFWS 2022b). The northern long-eared bat is listed as endangered in the State of Delaware (DNREC 2022). While there may be habitat available within the surrounding area for northern long-eared bats, there is unlikely any suitable habitat for bats for roosting within the Property.

The monarch butterfly is a candidate species for federal listing that was identified as potentially occurring within the Property. The monarch butterfly is a large butterfly with

bright orange wings surrounded by a black border and covered with black veins. During breeding season, monarch butterflies lay their eggs on milkweed (*Asclepias syriaca*) and larvae emerge after two to five days to feed on the milkweed. These species may be found flying over the Property or on milkweed located near or on the Property. There are no Section 7 requirements under the Endangered Species Act for this candidate species but opportunities to protect the species is encouraged (USFWS 2022a). Milkweed is found in a large array of habitats including croplands, pastures, roadsides, ditches, and old fields. Milkweed prefers disturbed land, due to its inability to compete with other vegetation (University of Texas 2020). Within the Atlantic and Gulf Coastal Plain region, milkweed does not grow in wetlands (Lichvar 2013). The Property and surrounding area have disturbed land that could provide habitat for milkweed and therefore could attract monarch butterflies. However, the Property has not been surveyed for milkweed and it is not known if milkweed occurs on Property. The species is not expected to grow within the wetland areas of the Property.

Migratory birds that may occur near the Property are listed in Table 3.9-1 based on the USFWS IPaC. Most birds are listed with a level of concern of Birds of Conservation Concern (BCC), which identifies birds that are migratory or non-migratory that are of highest conservation concern for the USFWS. These birds are listed based on several factors including population abundance and trends, threats to breeding and non-breeding grounds, and ranges (USFWS 2023a). The bald eagle (*Haliaeetus leucocephalus*) is not a BCC but is protected under the Migratory Bird Treaty Act, and Bald and Golden Eagle Protection Act. None of these birds are listed as endangered in the State of Delaware (DNREC 2022).

Table 3.9-1 Migratory Birds that could Potentially Occur within the Property

Common Name	Scientific Name	Status
Bald eagle	*Haliaeetus leucocephalus*	Non-BCC Vulnerable
Bobolink	*Dolichonyx oryzivorus*	BCC
Kentucky warbler	*Geothlypis formosa*	BCC
King rail	*Rallus elegans*	BCC
Lesser yellowlegs	*Tringa flavipes*	BCC
Prairie warbler	*Setophaga discolor*	BCC
Prothonotary warbler	*Protonotaria citrea*	BCC
Rusty blackbird	*Euphagus carolinus*	BCC
Wood thrush	*Hylocichla mustelina*	BCC

Source: USFWS 2023a

3.10 Cultural Resources

3.10.1 History of Delaware

In 1923, the Port of Wilmington was established in the same location where the first Swedish settlers landed in 1638. The Wilmington Port fostered economic growth and new business through activities including shipments of fruit, beef, and imported vehicles, along with supporting petroleum unloading facilities, warehouses and storage facilities, crane operation and jobs to support port operations. The Christina River Project was completed in 1962 with the dredging of the turning basin and channel from the Delaware River to Lobdell Canal. The project was modified in 1988 and the existing Federal channel and turning basin from Station 2+000 to the Delaware River was deepened from 35 to 38 feet and the turning basin was widened from 200 to 320 feet. In 2020, the existing Delaware River Federal Navigation Channel was deepened to 45 feet.

3.10.2 Native Americans

Historically, the Delaware and New Jersey area was home to the Delaware Natives, also called the Lenape. They speak Unami and Munsee dialects which is a form of the Algonquian language. As European colonists encroached on Native American territory, the tribes were pushed westward and eventually settled in Ohio. During the Revolutionary War, the Delaware Tribe became divided. Some tribal members supported the British due to the Proclamation of 1763, which prohibited colonists from expanding further west than the Appalachian Mountains, while other tribe members tried to remain neutral. When the Americans were victorious, the Delaware Tribe struggled to hold onto their land and eventually were forced to surrender most of their lands in 1775. In 1829, they were forced to surrender their remaining lands and moved west of the Mississippi River (Ohio History Connection n.d.).

3.10.3 Current Conditions

Since 1975, there are twelve historic districts designated within the City of Wilmington. These designations help preserve the unique cultural and historic elements of the building structure, objects, and sites within the districts. The closest historic district to the Subject Project is the Old Swedes, located approximately 1.2 miles northwest of the WHN CDF. This historic district contains the Old Swedes (Holy Trinity) Church which was built in 1698 and is the known location of Wilmington's first Swedish Settlement in 1638, known as Christinaham (The City of Wilmington, Department of Planning and Development n.d.).

Bellevue Range Rear Light Station (Bellevue Light Station) is listed as a historic property on the National Register of Historic Places and is located on the WHN CDF Property (Figure 3.10-1 and Figure 3.10-2). The Bellevue Light Station is located on the Christina River, 0.3 miles west of the Delaware River, and 50 feet south of Cherry Island. The Bellevue Light Station was built in 1909 with a pyramidal skeleton of cast iron. It is 105 feet tall with a cylindrical tower that has a watch room and lantern at the top. The Bellevue Light Station was built to serve as the rear beacon of a pair of lights to aid in ship navigation. The light aligned with another in front to mark the channel center light. The lighthouse was operated by resident keepers from 1909 to 1934. In 1934 it become fully automated, and in 2001 it was decommissioned because the light was obstructed by the Cherry Island Landfills elevated elevation. A new lighthouse was placed north of Cherry Island to guide navigation (DHCA 2015). The lighthouse is owned by the United States Coast Guard and is not included in the land transfer.



Figure 3.10-1 Photo of the Bellevue Range Rear Light Station (DHCA 2015)



Figure 3.10-2 Photo of the Bellevue Range Rear Light Station

3.11 Air Quality

The Property is currently designated as a CDF; however, dredge disposal material has not been added to the property since December 2017.

The Clean Air Act set National Ambient Air Quality Standards (NAAQS) for Criteria Air Pollutants (CAPs) in every state. There are six CAPs: carbon monoxide (CO), lead (Pb), nitrogen dioxide (NO_2), ozone (O_3), particle pollution (PM), and sulfur dioxide (SO_2) (DNREC 2019, EPA 2021). PM is classified into two subcategories: fine particulate matter ($PM_{2.5}$), comprised of particles smaller than 2.5 microns in diameter, and particulate matter (PM_{10}), comprised of particles less than 10 microns in diameter (DNREC 2019). Table 3.11-1 describes the current NAAQS for CAPs.

Table 3.11-1 National Ambient Air Quality Standards

Pollutant (Scientific Notation)		Primary/Secondary Standard	Averaging Time	Concentration	Current NAAQS	Form
Carbon Monoxide (CO)		Primary	8 hours	9 ppm	1971	Not to be exceeded more than once per year
			1 hour	35 ppm		
Lead (Pb)		Primary & Secondary	Rolling 3-month period	0.15 µg/m^3		Not to be exceeded
Nitrogen Dioxide (NO_2)		Primary	1 hour	100 ppb	2010	98th percentile of 1-hour daily maximum concentrations, averaged over 3 years
		Primary & Secondary	1 year	53 ppb		Annual mean
Ozone (O_3)		Primary & Secondary	8 hours	0.070 ppm	2015	Annual 4th highest daily maximum 8-hour concentration, averaged over 3 years
Particle Pollution (PM)	$PM_{2.5}$	Primary	1 year	12.0 µg/m^3	2012	Annual mean, averaged over 3 years
		Secondary	1 year	15.0 µg/m^3		Annual mean, averaged over 3 years
		Primary & Secondary	24 hours	35 µg/m^3		98th percentile, averaged over 3 years
	PM_{10}	Primary & Secondary	24 hours	150 µg/m^3		Not to be exceeded more than once per year on average over 3 years
Sulfur Dioxide (SO_2)		Primary	1 hour	75 ppb	2010	99th percentile of 1-hour daily maximum concentrations, averaged over 3 years
		Secondary	3 hours	0.5 ppm		Not to be exceeded more than once per year

Sources: DNREC 2019, EPA 2021

Primary standards: regard public health protection including "sensitive" populations (e.g., asthmatics, children, and the elderly)

Secondary standards: regard public welfare protection, including protection from decreased visibility and damage to resources (e.g., animals, crops, vegetation, and buildings)

The Delaware Department of Natural Resources and Environmental Control (DNREC) Division of Air Quality monitors air quality at designated stations throughout the state of Delaware. The Martin Luther King (MLK) station is located in Wilmington, approximately 1.5 miles from the Project (DNREC 2022) (Figure 3.11-1) and monitors all CAPs and additional pollutants. The state of Delaware is classified as in "non-attainment" for Clean Air Act standards due to levels of ground-level O_3 in exceedance of NAAQS; all other CAPs are in adherence to NAAQS (DNREC 2019).

O_3 is typically not directly emitted as a pollutant but is formed when nitrogen oxides (NO_x) and volatile organic compounds (VOCs) react in sunlight and warm temperatures (DNREC 2019). During dredging, NO_x and VOCs are emitted from motorized vessels, affecting air quality in the immediate vicinity of operation. These effects attenuate after dredging has ceased. Dredging contracts are typically between 21 and 30 days to account for unexpected delays, but most dredging is completed within 14 days. O_3 formation occurs more readily under hot, dry conditions, so ozone exceedance days typically happen in the summer. Exceedance levels of O3 were changed from 0.075 ppm to 0.070 ppm in 2015 and implemented starting in 2016 (Table 3.11-1). O_3 levels measured in New Castle County exceeded 2015 NAAQS for the period of record since implementation of the 2015 NAAQS (design value years[2] 2014-2016 through 2017-2019) (Table 3.11-1).

CO is formed from carbon fuel that is not entirely burned. Approximately 60 percent of all CO emissions are from motor vehicles. The CO NAAQS were implemented in 1971 and have not been at the MLK station for the period of record (1990-2019). There has been a downward trend in CO concentrations since the start of monitoring in the 1970s (DNREC 2019).

NO_x is produced from the burning of fuels from motor vehicles, power plants, industrial boilers, and other machinery that use fossil fuels. Atmospheric deposition is likely a major source of NO_x in bodies of water in Delaware. The NAAQS for NO_2 were changed from ppm to ppb in 2010 and implemented in 2011. NO_2 levels have not exceeded the 2010 1-hour NAAQS at the MLK station for the period of record (design value years 1999-2001 through 2017-2019) and annual averages have not exceeded 2010 NAAQS for the period of record (years 2001-2019) (DNREC 2019).

[2] A design value is defined as a statistical description of air quality relative to the level of NAAQS. Design values are typically 3-year averages of the relevant NAAQS statistic and used to classify nonattainment areas and to assess progress towards complying with the NAAQS (DNREC 2019).

SO_2 is mainly produced by the combustion of coal and oil. Power plants are the greatest source of SO_2 emissions, and other sources include refineries, smelters, and industrial boilers. SO_2 levels have not exceeded the 2010 1-hour NAAQS at the MLK station for the period of record (design value years 1996-2008 through 2017-2019) (DNREC 2019).

Fine particulate matter ($PM_{2.5}$) is generally produced from the combustion of fossil fuels. It can also form in the atmosphere from chemical reactions involving precursor compounds (e.g., SO_2 and NO_x). $PM_{2.5}$ at the MLK station has not exceeded the 2012 Annual NAAQS at the MLK station since implemented (DNREC 2019).

Particulate matter (PM_{10}) is mostly produced by steel mills, power plants, motor vehicles, industrial plants, unpaved roads, and agricultural tilling. The physical and chemical characteristics of PM_{10} are variable due to the variety of sources that contribute to them. PM_{10} levels have not exceeded the standard NAAQS at the MLK station for the period of record, although the monitor did not operate in 2010 (DNREC 2019).

VOCs are pollutants that are suspected or known to cause serious health effects such as cancer or birth defects. Sources of VOCs are highly variable and include power plants, chemical plants, refineries, motor vehicles, dry cleaners, printers, and automobile paint shops. Although there are no ambient standards for VOCs, the MLK station monitors them and reported concentrations of all VOCS below 10 parts per billion (ppb), the majority of which were below 1 ppb in 2019 (DNREC 2019).



Figure 3.11-1 Nearest Air Quality Monitoring Station to the Project Boundary

3.12 Hazardous, Toxic, and Radioactive Waste (HTRW)

The Cherry Island Landfill is an active municipal waste landfill that is adjacent to the Property on the north and east. The landfill has a monitoring program established for groundwater and leachate. Monitoring showed no impact to groundwater at the landfill and surrounding parcels (Appendix A).

Environmental Standards visited the Property on March 16, 2022 to assess conditions and potential environmental impacts, such as hazardous subjects and petroleum product containers. Environmental Standards found no standing water on the Property but reported that standing water is likely to accumulate in the large depression at the disposal area during precipitation. Environmental Standards reported stormwater drainage features, groundwater monitoring wells and piezometers associated with the adjacent Cherry Island Landfill, and one pole-mounted transformer. No PCBs or other hazards were found associated with the transformer. Other features or potential hazards that were searched for but not found included septic systems, drums or storage containers, waste or process water discharge, stained soils or pavement, burning activities, leachate or seeps, stressed vegetation, chemical spills or releases, and surface water contamination. Environmental Standards identified one recognized environmental condition (REC[3]), which was the use of the Property for disposal of dredged material. No other RECs were found during the site visit (Appendix A).

As part of the Delaware River Main Channel Deepening Project NEPA analysis, USACE dredged 15 sediment samples from a reach of the Delaware River ranging from Billingsport Range to Allegheny Avenue, Pittsburgh, PA (approximately 15 to 28 miles upstream of the Property) (USACE 2011; USACE 2013). No maximum, mean, or median concentrations of any contamination parameters exceeded respective criteria (USACE 2013). Sediment samples collected from the upper portion of another reach ranging from the Cherry Island Range to Tinicum Range (approximately 1 mile downstream to 14 miles upstream of the Property) have shown similar levels (USACE 2011; USACE 2013).

[3] The definition of REC according to Environmental Standards (2022) (Appendix A) is "(1) the presence of hazardous substance or petroleum product in, on, or at the Property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on or at the Property due to a release or likely release to the environment; (3) the presence of hazardous substances or petroleum products in, on, or at the Property under conditions that pose a material threat of a future release to the environment."

3.13 Climate Change

Sea level is expected to rise 0.34 meters over the next 100 years (DNREC 2012). The Home Builders Association of Delaware conservatively plans for a 0.5-meter rise in sea level by the year 2100 (DNREC 2012). In New Castle County, sea level increases of 0.5, 1.0, and 1.5 meters would inundate 25,179; 29,916; and 33,148 acres; comprising 9, 11, and 12 percent of the entire county, respectively. The Port of Wilmington was ranked as a high concern resource by Sea Level Rise Advisory Committee groups (DNREC 2012). Industrial facilities and equipment at the Port may become prone to intermittent floods from lunar high tides, which could limit access to the Property and cause flood damage if preventative measures are not taken (Deyle et al. 2007). These issues would become more common as sea levels continue rising. DNREC (2012) analyzed the impact of sea level rise to the Port of Wilmington using GIS polygons from New Castle County tax parcel maps. These polygons marked the locations of DSPC property. The analysis provided information on whether a section of the Port of Wilmington was within an area that could potentially be impacted by sea level rise but was not intended to determine functionality of the port under these conditions. A sea level increase of 0.5 meter would inundate approximately 78 acres (36 percent) of DSPC's core property and approximately 251 acres (20 percent) of the Port of Wilmington's operations and supporting activity properties (DNREC 2012). Because the Port of Wilmington ships and stores hazardous materials, inundation could cause negative impacts to the drinking water, natural habitat, and residential property (DNREC 2012).

4.0 ENVIRONMENTAL CONSEQUENCES

4.1 Socioeconomics

4.1.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.1.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. Because land use would not change under DSPC, no new or additional adverse impacts to socioeconomics are expected to occur under the Proposed Action. While there are minority and low-income populations that exceed 50 percent of the overall population in Wilmington, DE, it is not expected that the Proposed Action (transfer of the property or continued use of the site as a CDF) would have adverse socioeconomic or environmental impacts on these populations.

4.2 Land Use

4.2.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.2.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. No new or additional adverse impacts to land use are expected to occur under the Proposed Action, as the site has been historically designated for, previously used as, and would continue to be used as a CDF for dredge material disposal.

4.3 Geology and Soils

4.3.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.3.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. No new or additional adverse impacts to geology and soils are expected to occur under the Proposed Action, as the site has been historically designated for, and used as, a CDF for dredge material disposal. The site would continue to be managed to promote dewatering and settling of the existing material on site.

4.4 Hydrology

4.4.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.4.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. No new or additional adverse impacts to hydrology are expected to occur under the Proposed Action, as the site has been historically designated for, and used as, a CDF for dredge material disposal. The site would continue to be managed to promote dewatering and settling of the existing material on site. The site has been receiving dredged sediments for decades, which has increased the distance between groundwater and the likelihood of vertical recharge of slurry water and aquifers.

4.5 Wetlands

4.5.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.5.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. No new or additional adverse impacts to wetlands are expected to occur under the Proposed Action, as the site has been historically designated for, and used as, a CDF for dredge material disposal. The freshwater wetlands within the berms are artificially created by CDF operations and therefore would fluctuate based on the amount of dredged material emplaced. The site would continue to be managed to promote dewatering and settling of the existing material on site. The estuarine wetlands outside of the disposal areas would not be adversely impacted by continued disposal of dredged materials. On August 4, 2022, DSPC was issued a Department of the Army Individual Permit for the Port of Wilmington, Edgemoor Expansion Project, which includes continued use of the WHN site as a CDF.

4.6 Water Quality

4.6.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.6.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. No new or additional adverse impacts to water quality are expected to occur under the Proposed Action, as the site has been historically designated for, and used as, a CDF for dredge material disposal. Based on the Phase I Environmental Site Assessment (Appendix A), there was no evidence of leachate, seeps, or surface water contamination at the Property. Continued operations of the CDF would not input any new contaminants into the Delaware River. The site would continue to be managed to promote dewatering and settling of the existing material on site, utilizing Best Management Practices (BMPs). On August 4, 2022, DSPC was issued a Department of the Army Individual Permit for the Port of Wilmington, Edgemoor Expansion Project, which includes continued use of the WHN site as a CDF.

4.7 Aquatic Resources

4.7.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.7.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. No new or additional adverse impacts to aquatic resources are expected to occur under the Proposed Action, as the site has been historically designated for, and used as, a CDF for dredge material disposal. The site would continue to be managed to promote dewatering and consolidation of the existing material on site, with the continued use of Best Management Practices (BMPs). Settlement basins and decanting water reduces contaminant levels and turbidity in the effluent before it is released back into the river. Dredging, and associated dredged material placement operations are typically conducted outside the anadromous fish migration period.

4.8 Terrestrial Resources

4.8.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.8.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. No new or additional adverse impacts to terrestrial resources are expected to occur under the Proposed Action, as the site has been historically designated for, and used as, a CDF for dredge material disposal.

4.9 Protected Species

4.9.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.9.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. No new or additional adverse impacts to protected species are expected to occur under the Proposed Action, as the site has been historically designated for, and used as, a CDF for dredge material disposal.

4.10 Cultural Resources

4.10.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.10.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. No new or additional adverse impacts to cultural resources are expected to occur under the Proposed Action, as the site has been historically designated for, and used as, a CDF for dredge material disposal. Ingress and egress to the Bellevue Light Station would be maintained under DSPC ownership.

4.11 Air Quality

4.11.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.11.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. No new or additional adverse impacts to air quality are expected to occur under the Proposed Action, as the site has been historically designated for, and used as, a CDF for dredge material disposal. Operation of the CDF by USACE did not result in exceedance of air quality standards.

4.12 Hazardous, Toxic, and Radioactive Waste (HTRW)

4.12.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation.

4.12.2 Proposed Action

Under the Proposed Action, the Property would transfer to DSPC for continued use as a CDF. The composition of the dredge material being disposed would not change, therefore no new adverse impacts from hazardous, toxic, and radioactive waste are expected to occur under the Proposed Action, as the site has been historically designated for, and used as, a CDF for dredge material disposal.

4.13 Climate Change

4.13.1 No Action Alternative

Under the No Action Alternative, DSPC would not take ownership of the Property. The Property would transfer to the GSA as excess property. Future uses and potential impacts would be evaluated under separate NEPA documentation. Without additional mitigation measures (macro-scale to slow down the threat of climate change, or local to enhance coastal resiliency), potential impacts to the Property from Climate Change would continue regardless of ownership of the site.

4.13.2 Proposed Action

Under the Proposed Action, there are no anticipated impacts resulting to or from climate change as a result of the land transfer. The Property would continue to be used as a CDF under DSPC ownership, and activities consistent with use of the Property as a dredge material disposal site would continue to occur. Greenhouse gas emissions would continue

to occur from dredging and/or site improvement equipment (when used), but the very limited frequency of use would not result in significant, adverse impacts to climate change from continued use of the site as a CDF.

4.14 Cumulative Impacts

The State of Delaware signed a 50-year concession agreement to expand the Port of Wilmington in October 2018 (DSPC 2020). The Wilmington Harbor-Edgemoor Expansion Project was evaluated in an Environmental Assessment (EA). In June 2020, USACE determined that "the proposed action would have no significant social, economic, or environmental impacts that would necessitate an Environmental Impact Statement" (DSPC 2020). The Proposed Action evaluated in this EA (for the transfer of Property from USACE to DSPC) would result in no new or additional adverse impacts on environmental, socioeconomic, and cultural resources, therefore the cumulative impacts from the Proposed Action when added to the Port of Wilmington Expansion are not expected to contribute any additional adverse impacts. Under 40 CFR 1501.12, the Cumulative Impacts Analysis presented in the Wilmington Harbor-Edgemoor Expansion Project EA (DSPC 2020) is incorporated into this Land Transfer EA by reference.

5.0 COMPLIANCE WITH ENVIRONMENTAL LAWS AND REGULATIONS

This Final EA fulfills the requirements of NEPA and discloses how the Proposed Action is compliant with multiple environmental laws and regulations, either independently or under the umbrella of the NEPA, as discussed below.

5.1 National Environmental Policy Act of 1969 (NEPA)

This Final EA has been developed to evaluate the potential impacts of the proposed land conveyance and the No-Action Alternative. This document and process comply with the intent of the National Environmental Policy Act of 1969, as amended, 42 U.S.C. 4321, *et seq*. P.L. 91-190.

5.2 Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations

This Final EA evaluates the impacts of the Proposed Action and No-Action alternative on socioeconomic resources and minority and low-income communities within the vicinity of the project. This is in compliance with the Executive Order 12898 which requires Federal agencies to analyze if a Proposed Action would have a disproportionate adverse effect on minority populations, low-income populations or Native American Tribes. While there are minority and low-income populations that exceed 50 percent of the overall population in Wilmington, DE, the transfer and continued use of the CDF would not have adverse socioeconomic or environmental impacts on these populations.

5.3 Endangered Species Act of 1973

Pursuant to Section 7 of the Endangered Species Act of 1973, USACE requested concurrence from National Marine Fisheries Service (NMFS) that the Proposed Action (land transfer) will have no impact on federally listed species or critical habitat. On March 23, 2023, NMFS concurred with this determination (Appendix C).

Pursuant to Section 7 of the Endangered Species Act of 1973, USACE requested initiation of informal consultation with U.S. Fish and Wildlife Service (USWFS). An IpaC search was completed on March 30, 2022 and renewed on April 21, 2023 (Appendix B). This report was used to identify endangered or threatened species and their designated critical habitat that could exist within the Property, as discussed in Section 3.9. The IpaC identified the Northern Long-eared Bat (Endangered Species) and the Monarch Butterfly (Candidate

Species); no critical habitat was identified. On May 3, 2023, USFWS provided a "Record of project representative's no effect determination for Wilmington Harbor North EA" for the northern long-eared bat (Appendix B) (USFWS 2023a). The land transfer of the DSPC has a determination of no effect to federally listed species or critical habitat under the Endangered Species Act of 1973, as amended, 16 U.S.C. 1531, *et seq*. P.L. 93-205.

5.4 Fish & Wildlife Coordination Act of 1958

Consultation pursuant to the Fish and Wildlife Coordination Act has been completed with the U.S. Fish and Wildlife Service (April 19, 2023) and National Marine Fisheries Service (March 23, 2023) (Appendix C). The Proposed Action is in compliance with this Act.

5.5 Migratory Bird Treaty Act (MBTA)

The Migratory Bird Treaty Act (MBTA) (16 USC 715- 715s) prohibits the taking or harming of migratory birds, eggs, or nests. Although migratory birds have been identified within the vicinity of the Property, no adverse impacts to these species were identified. The Proposed action is in compliance with this Act.

5.6 Clean Water Act of 1972

Pursuant to the Clean Water Act of 1972, as amended, a Section 401 Water Quality Certification from DNREC for the Proposed Action (land transfer) is not required as there will be no discharge into waters of the United States. If a Water Quality Certification is required for activities after the land transfer, it will be obtained by DSPC.

A Section 404 permit is not required for the Proposed Action (land transfer) as there will be no discharge of dredge and fill materials into waters of the United States. DSPC has already received a Department of the Army Section 404 permit August 4, 2022 for the Port of Wilmington Expansion Project at Edgemoor; this permit includes continued use of the Wilmington Harbor North area as a CDF.

5.7 Clean Air Act of 1972

Pursuant to the Clean Air Act, the EPA sets National Ambient Air Quality Standards (NAAQS) for Criteria Air Pollutants (CAPs) in every state. The DNREC Division of Air Quality monitors CAPs and other air pollutants in the City of Wilmington approximately 1.5 miles from the Property. The state of Delaware, including the Wilmington area, is in "non-attainment" for Clean Air Act standards due to levels of ground-level O_3 in exceedance of NAAQS; all other CAPs are in adherence to NAAQS (DNREC 2019). No additional adverse

impacts to air quality are expected to occur under the Proposed Action (land transfer). Additionally, since the site has been historically designated for/used as a CDF for dredge material disposal, operation of the CDF by USACE did not result in exceedance of air quality standards, nor should continued use of the CDF by DSPC.

5.8 National Historic Preservation Act (NHPA)

The National Historic Preservation Act (NHPA) requires Federal agencies to assess a project's impacts to historic properties and coordinate with the Advisory Council on Historic Presentation (ACHP). The Proposed Action is in compliance with this Act as no cultural resources would be affected. The Delaware Division of Historical and Cultural Affairs provided a letter May 10, 2023 indicating "No Adverse Effect to historic properties by the proposed undertaking" (Appendix C).

5.9 Coastal Zone Management Act of 1972

Pursuant to the Coastal Zone Management Act (CZMA) of 1972, as amended, each federal agency activity within or outside of the coastal zone that can have reasonably foreseeable effects on any land or water use or natural resource of the coastal zone shall be carried out in a manner which is consistent to the maximum extent practicable with the enforceable policies of the state's approved program. USACE determined that the proposed land transfer will not have any reasonably foreseeable effects on Delaware's coastal uses or resources and is consistent with the enforceable policies of the Delaware Coastal Management Program. In a letter dated May 11, 2023, DNREC concurred that the project would result in no coastal effects.

5.10 Farmland Protection Policy Act of 1981

No prime or unique farmland would be impacted by implementation of the proposed action. This Act is not applicable to this project.

5.11 Wild and Scenic River Act of 1968

No designated Wild and Scenic River reaches would be affected by the proposed action or future activities. This Act is not applicable to this project.

5.12 Marine Mammal Protection Act of 1972

The Marine Mammal Protection Act intends to prevent the taking or harm of Marine Mammals in United States waters. The Proposed Activity is not expected to impact marine mammals or their habitats. Therefore, this Act is not applicable to this project.

5.13 Estuary Protection Act of 1968

In the Estuary Protection Act of 1968, Congress declared that "many estuaries in the United States are rich in a variety of natural, commercial and other resources, including environmental natural beauty, and are of immediate and potential value to the present and future generations of Americans." This Act is intended to protect, conserve, and restore estuaries in balance with developing them to further the growth and development of the Nation. No development will occur under the Proposed Action. Therefore, the Proposed Action is consistent with the purposes of this Act.

5.14 Federal Water Project Recreation Act

This Act provides funds for land acquisition or directs non-Federal agencies to administer project land and water areas for recreation and fish and wildlife enhancement. In addition, while investigating and planning a federal navigation, flood control reclamation, hydroelectric or multi-purpose water resource project, full consideration must be given to the opportunities when the project affords for outdoor recreation and fish and wildlife enhancement. This Act is not applicable to this project.

5.15 Submerged Lands Act of 1953

The Property does not occur on submerged lands of the State of Delaware. This Act is not applicable to this project.

5.16 Coastal Barrier Resources Act and Coastal Barrier Improvement Act of 1990

The Coastal Barrier Resources Act (CBRA) and the Coastal Barrier Improvement Act of 1990 (CBIA) limit Federally subsidized development within CBRA Units to limit the loss of human life by discouraging development in high-risk areas, to reduce wasteful expenditures of Federal resources and to protect the natural resources associated with coastal barriers. This Act is not applicable to this project.

6.0 COORDINATION AND PUBLIC INVOLVEMENT

This Final EA has been noticed for 30-day public review (March 22, 2023 to April 21, 2023). Additional information regarding agency coordination and public involvement is included in Appendix C.

7.0 REFERENCES

Council on Environmental Quality (CEQ). 1997. Environmental Justice Guidance Under NEPA. Available Online; https://www.energy.gov/sites/default/files/nepapub/nepa_documents/RedDont/G-CEQ-EJGuidance.pdf. Accessed May 2022.

DataUSA. 2019a. Wilmington, DE Data. Available online: https://datausa.io/profile/geo/wilmington-de. Accessed May 2022.

DataUSA. 2019b. New Castle County, DE Data. Available online: https://datausa.io/profile/geo/new-castle-county-de. Accessed May 2022.

Delaware Department of Natural Resources and Environmental Control (DNREC). 2012. Preparing for Tomorrow's High Tide: Sea Level Rise Vulnerability Assessment for the State of Delaware. Prepared for the Delaware Sea Level Rise Advisory Committee by the Delaware Coastal Programs of the Department of Natural Resources and Environmental Control.

Delaware Department of Natural Resources and Environmental Control (DNREC). 2013. Current fish consumption advisories. http://www.dnrec.delaware.gov/fw/Fisheries/Pages/Advisories.aspx.

Delaware Department of Natural Resources and Environmental Control (DNREC). 2022. Delaware's Endangered Species. Available Online: https://dnrec.alpha.delaware.gov/fish-wildlife/conservation/endangered-species/. Accessed May 2022.

Delaware Department of Natural Resources and Environmental Control (DNREC) Division of Air Quality. 2019. Delaware Annual Air Quality Report. New Castle County Office, New Castle, DE.

Delaware Department of Natural Resources and Environmental Control (DNREC) Division of Air Quality. 2022. Delaware Air Quality Monitoring Network https://airmonitoring.dnrec.delaware.gov. Accessed March 21, 2022.

Delaware Division of Fish and Wildlife (DDFW). n.d. Horseshoe Cab Viewing. Available Online:https://documents.dnrec.delaware.gov/fw/Fisheries/research/HSC%20viewing%20doc.pdf. Accessed May 2022.

Delaware Geological Survey. 2000. GM10 Bedrock Geologic Map of the Piedmont of Delaware and Adjacent Pennsylvania.

Delaware Historical and Cultural Affairs (DHCA). 2015. Cultural and Historical Resources Information System (CHRIS) Web Mapping Application. Available Online: https://chris-users.delaware.gov/#/item/e7f22e122ad343bb91ba9339173477a3. Accessed May 2022.

Delaware River Basin Commission (DRBC). 2008 (revised 2008). 2008 305(b) Water quality assessment report.

Delaware River Basin Commission (DRBC). 2020. Delaware River and Bay Water Quality Assessment. Delaware River Basin Commission. West Trenton, NJ. December 2020. Available Online: https://www.nj.gov/drbc/library/documents/WQAssessmentReport2020.pdf. Accessed May 2022.

Delaware River Basin Commission (DRBC). 2021. Brief Overview of Water Quality in the DRB. Available Online: https://www.nj.gov/drbc/programs/quality/history.html. Accessed May 2022 .

Department of the Army. 2020. Army Regulation CFR §§405-90 Disposal of Real Property. Available Online: https://armypubs.army.mil/epubs/DR_pubs/DR_a/pdf/web/ARN14844_R405_90_FINAL.pdf.

Deyle, R., K. Bailey, and A. Matheny. 2007. Adaptive Responsive Planning to Sea Level Rise in Florida and implications for Comprehensive and Public-Facilities Planning. Tallahassee: Florida State University Department of Urban and Regional Planning.

Diamond State Port Corporation (DSPC). 2020. Wilmington Harbor Edgemoor Expansion, Environmental Assessment Technical Document. Revised June 2020.

Environmental Standards, Inc. 2022. Phase I Environmental Site Assessment Report: Wilmington Harbor North. Prepared for Diamond State Port Corporation by Environmental Standards Inc.

Environmental Protection Agency (EPA). 2022. EJScreen – EPA's Environmental Justice Screening and Mapping Tool (Version 2.1). https://ejscreen.epa.gov/mapper/. Accessed May 2022.

GT USA Wilmington, LLC. (n.d.). Port History. Available Online: https://www.portofwilmington.com/port-history.html. Accessed April 2022.

Lichvar, R.W. 2013. The National Wetland Plant List: 2013 wetland ratings. Phytoneuron 2013-49: 1-241

McHugh, J.L. 1981. Marine Fisheries of Delaware. Fishery Bulletin Vol. 79 No. 4

Multi-Resolution Land Characteristics Consortium (MRLC). 2019. Land Cover Data. Available Online: https://www.mrlc.gov/. Accessed May 2022.

National Resources Conservation Service (NRCS). 2022. Web Soil Survey. Available at: http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx. Accessed March 22, 2022.

New Castle County. 2022. Zoning Map Viewer. https://nccde.maps.arcgis.com/apps/instant/sidebar/index.html?appid=8e4e8b1a35d648108e71bbb49261cec0. Accessed May 23, 2022.

New Castle County GIS Services. 2022. https://apps-nccde.hub.arcgis.com/. Accessed May 13, 2022.

Ohio History Connection. (n.d.). Delaware Indians. In Ohio History Central. Available Online: https://ohiohistorycentral.org/w/Delaware_Indians. Accessed April 2022.

Osmond, D.L., D.E. Line, J.A. Gale, R.W. Gannon, C.B. Knott, K.A. Bartenhagen, M.H. Turner, S.W. Coffey, J. Spooner, J. Wells, J.C. Walker, L.L. Hargrove, M.A. Foster, P.D. Robillard, and D.W. Lehning. 1995. Turbidity. In WATERSHEDSS: Water, Soil and Hydro-Environmental Decision Support System, http://h2osparc.wq.ncsu.edu. Retrieved from http://www.water.ncsu.edu/watershedss/info/turbid.html

Partnership for the Delaware Estuary. 2017. Technical Report for the Delaware Estuary and Basin 2017. L. Haaf, S. Demberger, D. Kreeger, and E. Baumbach (eds). PDE Report No. 17-07. 379 pages. Available Online: https://www.nj.gov/drbc/library/documents/TREB_PDE2017-complete.pdf. Accessed May 2022.

Pyle, Jenifer. 2012. Studying the Delaware River – 2012 Report. New Jersey Division of Fish and Wildlife. Available Online: https://nj.gov/dep/fgw/artdelstudy13.htm. Accessed May 2022.

Santoro, E.D. 1998. Delaware Estuary Monitoring Report. Monitoring Implementation Team of the Delaware Estuary Program and Delaware Estuary Program, West Trenton, New Jersey.

Santoro, E.D., 2004. Delaware Estuary Monitoring Report, Covering Monitoring Developments and Data Collected or Reported during 1999 – 2003, Prepared for the DRBC and Delaware Estuary Program, Trenton, New Jersey, 2004.

Sutton, C.C., J.C. O'Herron, II, and R.T. Zappalorti, 1996. The Scientific Characterization of the Delaware Estuary. Prepared for the Delaware Estuary Program, DRBC Project No. 321. Herpetological Associates, Inc. Forked River, NJ.

The City of Wilmington. (n.d.). City History. Available Online: https://www.wilmingtonde.gov/about-us/about-the-city-of-wilmington/city-history. Accessed April 2022.

The City of Wilmington, Department of Planning and Development (n.d.). City Historic Districts and Neighborhood Conservation District. Available Online: https://www.wilmingtonde.gov/home/showpublisheddocument/4358/636356263672670000. Accessed April 2022.

United States Army Corps of Engineers (USACE). 2011. Final Environmental Assessment Delaware River Main Channel Deepening Project. U.S. Army Corps of Engineers Philadelphia District. September 2011.

United States Army Corps of Engineers (USACE). 2013. Final Environmental Assessment Delaware River Main Channel Deepening Project Delaware Bay Economic Loading, Mechanical Dredging and Placement of Dredged Material at the Fort Mifflin Confined Disposal Facility. U.S. Army Corps of Engineers Philadelphia District. November 2013.

United States Bureau of Labor Statistics (USBLS). 2022. Economy at a Glance: Wilmington, DE-MD-NJ. Available Online: https://www.bls.gov/eag/eag.de_wilmington_md.htm. Access Date: May 2022.

United States Census Bureau (USCB). 2020a. American Community Survey 5-year estimates. Retrieved from Census Reporter Profile page for Wilmington, DE. Available Online: http://censusreporter.org/profiles/16000US1077580-wilmington-de/. Accessed May 2022

United States Census Bureau (USCB). 2020b. American Community Survey 5-year estimates. Retrieved from Census Reporter Profile page for New Castle County, DE. Available Online: http://censusreporter.org/profiles/05000US10003-new-castle-county-de/. Accessed May 2022

United States Census Bureau (USCB). 2020c. American Community Survey 5-year estimates. Retrieved from Census Reporter Profile page for United States. Available Online: http://censusreporter.org/profiles/01000US-united-states/. Accessed May 2022

United States Census Bureau (USCB). 2020d. Wilmington City, Delaware Data. Available Online: https://data.census.gov/cedsci/table?g=1600000US1077580. Accessed May 2022.

United States Census Bureau (USCB). 2020e. New Castle County, Delaware Data. Available Online: https://data.census.gov/cedsci/table?g=0500000US10003. Accessed May 2022.

United States Environmental Protection Agency (EPA). 2021. NAAQS Table. https://www.epa.gov/criteria-air-pollutants/naaqs-table. Last updated on February 10, 2021. Accessed March 21, 2022.

United States Environmental Protection Agency (EPA). 2022a. EJScreen User Guide, 2022. Available Online: https://ejscreen.epa.gov/mapper/help/ejscreen_help.pdf. Accessed May 23, 2022.

United States Environmental Protection Agency (EPA). 2022b. EJScreen Report (version 2.0), 5 miles Ring around the Area, Deleware, EPA Region 3. Report compiled May 23, 2022.

United States Fish and Wildlife Service (USFWS). 2023a. Information for Planning and Consultation (IPaC) List. Wilmington Harbor North EA, New Castle County, Delaware. Created May 3, 2023.

United States Fish and Wildlife Service (USFWS). 2023b. IPaC Trust Resources Report. Wilmington Harbor North Project Lands. Generated April 21, 2023.

United States Fish and Wildlife Service (USFWS). 2022. National Wetlands Inventory (NWI) Online Wetlands Mapper, last updated May 1, 2021. USFWS, Washington DC.

United States Fish and Wildlife Service (USFWS). 2022a. Monarch Butterfly (*Danaus plexippus*). Available Online: https://ecos.fws.gov/ecp/species/9743. Accessed March 2022.

United States Fish and Wildlife Service (USFWS). 2022b. Northern long-eared bat, Northern bat, Northern myotis. Available Online: https://www.fws.gov/species/northern-long-eared-bat-myotis-septentrionalis. Accessed March 2022.

United States Forest Service (USFS). 2022. Description of the Ecoregions of the United States. https://www.fs.fed.us/land/ecosysmgmt/index.html. Accessed March 31, 2022.

United States Forest Service (USFS). 2022. 221 Eastern Broadleaf Forest (Oceanic) Province. https://www.fs.fed.us/land/ecosysmgmt/colorimagemap/images/221.html. Accessed March 31, 2022.

University of Texas. 2020. Plant Database: *Asclepias syriaca*. Available Online: https://www.wildflower.org/plants/result.php?id_plant=ASSY. Accessed March 2022.

Weisberg, Stephen B., Peter Himchak, Tom Baum, Harold T. Wilson, and Russell Allen. 1996. "Temporal trends in abundance of fish in the tidal Delaware River." Estuaries 19, no. 3: 723-729.

APPENDIX A

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ENVIRONMENTAL® STANDARDS

Setting the Standards for Innovative Environmental Solutions

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
WILMINGTON HARBOR NORTH
1706 E 12TH STREET
WILMINGTON, DE 19801

June 7, 2022

Prepared for:

DIAMOND STATE PORT CORPORATION
Port of Wilmington
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Prepared by:

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1.0 Executive Summary

Under contract to the Diamond State Port Corporation (DSPC), Environmental Standards, Inc. (Environmental Standards) conducted a Phase I Environmental Site Assessment (ESA) of the property located at 1706 E 12th Street (Tax Parcel identifications [IDs] 26-065.00-002, 26-064.00-001, 26-059.00-002, and 26-059.00-001), Wilmington, New Castle County, DE 19801 (subject Property or Site). The parcels contained within the subject Property are also referred to as the following addresses: 1718 East 12th Street, 1716 East 12th Street, 1710 East 12th Street, 1712 East 12th Street, and 0 East Fourth Street, Wilmington, New Castle County, DE 19801.

The subject Property totals approximately 172 acres and is located in a mainly commercial and industrial use area of Wilmington, Delaware (Figures 1 and 2).

Known historical development of the subject Property dates to at least 1914 when dredged material disposal began (U.S. Army Corps of Engineers [USACE], 2016). Previously, the subject Property consisted of undeveloped marshlands as shown on the 1904 and 1906 topographic maps. The subject Property is not currently being used for active dredge material placement.

The ESA was conducted in general conformance with the ASTM International (ASTM) standard for conducting Phase I ESAs (E1527-21) and the US EPA's All Appropriate Inquiry Regulation (AAI; 40 CFR Part 312, as published in the *Federal Register* on December 30, 2013, FR Vol. 78. No. 250). Record and database reviews; interviews; reviews of historical topographic maps, Sanborn® maps, aerial photographs; and a site reconnaissance were conducted by Environmental Standards' Environmental Professionals (EPs) as part of this ESA.

One recognized environmental condition (REC) was identified in connection with the subject Property.

- The use of the subject Property as a dredge material disposal area represents a REC. The dredge material disposed of at the subject Property was sourced from the adjacent rivers. As such, it is likely that environmentally-impacted material has been placed in the disposal facility.

One significant data gap was also identified during the Phase I ESA process.

- The identified Salvage Yard Relocation Area II, located at the intersection of 12th street and Route 495 represents a data gap. The Salvage Yard was included in the US BROWNFIELDS and DE SHWS databases, indicating that the property has undergone or is undergoing environmental investigations. The facility's proximity and upgradient position relative to the subject Property indicated that a release would have the potential to impact the subject Property. Environmental Standards was unable to determine the current status of the property through additional research and file requests with environmental agencies.

2.0 Introduction

2.1 Purpose

Environmental Standards was retained by DSPC, to conduct a Phase I ESA of the Property located 1706 East 12th Street (Tax Parcel IDs 126-065.00-002, 26-064.00-001, 26-059.00-002, and 26-059.00-001), Wilmington, New Castle County, Delaware (subject Property or Site). The subject Property is identified in Figures 1 and 2. Environmental Standards completed a site reconnaissance visit on March 16, 2022.

Environmental Standards completed this work in general accordance with ASTM standards for conducting Phase I ESAs (ASTM Standard E1527-21). On November 1, 2021, ASTM announced the publication of an updated Phase I ESA Standard, E1527-21, which replaced the previous standard, E1527-13. On December 30, 2013, US EPA published in the *Federal Register* at Volume 78, No. 250, pages 79319-79324, 40 CFR Part 312 (US EPA–HQ–SFUND–2013–0513; FRL–9904–52–OSWER) the Amendment to Standards and Practices for AAI under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This final action adopted ASTM E1527-13 and made clear that "persons conducting all appropriate inquiries may use the procedures in [the] standard to comply with the All-Appropriate Inquiry Rule." Although Environmental Standards conducted this ESA according to E1527-21, the ESA also met the requirements of E1527-13 and, therefore, represents an AAI-compliant Phase I ESA.

Environmental Standards' services as part of this Phase I ESA included a review of reasonably ascertainable regulatory databases and historical records; interviews with personnel who may know about environmental conditions at the subject Property; an assessment of user-provided information about the Property; a site reconnaissance; and a report of findings associated with the investigation.

The overall objective of the Phase I ESA services provided by Environmental Standards was to identify, to the extent feasible pursuant to the processes described herein, RECs in connection with the subject Property.

2.2 Detailed Scope-of-Services

The Scope-of-Services provided by Environmental Standards for this Phase I ESA was in general accordance with ASTM E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The objective of this study, and Phase I ESAs in general, is to identify RECs and to satisfy a portion of the ESA requirements necessary to qualify for as an "innocent landowner," a "*bona fide* prospective purchaser," or a "contiguous landowner" associated with CERCLA liability and the "Standards and Practices for All Appropriate Inquiries." Environmental Standards' services consisted of five tasks described below.

Task 1: Regulatory Review

Environmental Standards conducted a regulatory database review utilizing a commercially contracted environmental database collection service. The review included examining the local geographical area surrounding the Site for listed regulatory environmental records. EDR of Southport, Connecticut, provided a map depicting locations of potential off-site environmental concerns listed on available state and federal environmental databases within a specified radius of the Property. Appendix A contains the EDR Radius Map Report for the Property.

In addition to reviewing the information contained in the database search, Environmental Standards directly contacted local agencies regarding issues related to potential environmental conditions at the Site and neighboring properties. Inquiries into the existence of environmental records maintained by the Delaware Department of Natural Resources and Environmental Control (DNREC); US EPA Region 3; New Castle County, and City of Wilmington, were also made as part of this Phase I ESA.

This assessment also included reviewing information about local geology and hydrogeology, existing groundwater quality data, and potential environmental issues associated with the subject Property. Environmental Standards examined only those aspects of the Property for which information was reasonably ascertainable. For this work, *reasonably ascertainable* is defined as it is in ASTM E1527-21: "publicly available, obtainable from its source within reasonable time and cost constraints, and practically reviewable."

Task 2: Interviews

Environmental Standards contacted knowledgeable individuals, as identified by project stakeholders, to discuss general environmental conditions related to the Property. Discussions and data collection included information such as availability of Site plans and drawings, Site history, environmental permits, the presence of buildings, underground storage tanks (USTs), aboveground storage tanks (ASTs), and knowledge of off-site issues.

Task 3: Site History

Environmental Standards reviewed, to the degree reasonably ascertainable, copies of topographic maps (Appendix B), aerial photographs (Appendix C), sanborn maps (Appendix D) and the City Directory Abstract (Appendix E) to evaluate past land use and activities that may have the potential for an adverse environmental impact on the subject Property.

Task 4: On-site Reconnaissance

Environmental Standards visited and reviewed readily accessible portions of the subject Property to assess present conditions and to note potential evidence of environmental impacts. Environmental Standards' staff traversed the subject Property on foot and made observations (in general compliance with ASTM Standard E1527-21) for the recognizable presence or evidence of the following:

- Storage tanks: aboveground, underground, vent pipes, fill pipes, or access ways.
- Strong, pungent, or noxious odors.
- Pools of liquid: standing surface water, pools, or sumps.
- Drums greater than 5 gallons in size.
- Hazardous substances and/or petroleum product containers.
- Open or damaged containers of unknown substances.
- Polychlorinated biphenyls (PCBs); electrical or hydraulic equipment (excluding fluorescent light ballasts).
- Heating and cooling fuel source.
- Stains or corrosion on floors, walls, or ceilings.
- Drains and sumps.
- Pits, ponds, or lagoons on or adjacent to the Property.
- Stained soil or pavement.

- Areas of dead, distressed, or dying vegetation.
- Solid waste; mounds or depressions that would indicate non-natural filling or grading.
- Wastewater discharges and outfalls.
- Wells: potable, dry, irrigation, injection, abandoned, and other types of wells.
- Septic systems or cesspools.

During this on-site inspection, Environmental Standards also evaluated adjacent properties for the potential to contribute to the environmental degradation of the subject Property. Environmental Standards documented the condition of the subject Property and adjacent properties on the day of the Site visit with photographs. Other than an external visual inspection, Environmental Standards did not access private, adjoining, third-party properties during the Site visit.

Task 5: Report of Findings

Environmental Standards summarized the information and data obtained from completing the preceding tasks in an environmental assessment report (*i.e.*, this document) that presents a review of findings, including identified RECs, controlled RECs (cRECs), historical RECs (hRECs), and *de minimis* conditions if any. Below are the ASTM E1527-21 definitions of each of these types of findings:

- REC – (1) the presence of hazardous substance or petroleum product in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.
- cREC – A REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).
- hREC – A previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example activity and use limitations or other property use limitations).
- *De minimis* condition– A condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

This report also includes color copies of photographs taken for documentation purposes (Photographic Log following Section 15.0 of this report).

2.3 Significant Assumptions

Environmental Standards reviewed the following documentation: reasonably ascertainable historical aerial photographs; topographic maps; historical Sanborn maps; federal and state environmental agency records created by a contracted environmental database company (EDR); and other reasonably ascertainable records regarding the Property. Although the reviews followed general ASTM Standard E1527-21 and US EPA's AAI methodology and are considered

reasonable and professionally appropriate, Environmental Standards does not warrant or guarantee that these reviews necessarily yielded complete and accurate information.

To the extent that Environmental Standards' services required judgment, there can be no assurance that fully definitive results were obtained. The services provided to the Client may include the application of judgment to site evaluation principles; accordingly, certain results of this work may be based on subjective interpretation.

2.4 Limitations and Exceptions

Environmental Standards is not engaged in environmental auditing and reporting for the purpose of advertising, sales promotion, or endorsement of any user's interests, including raising investment capital, recommending investment decisions, or other publicity purposes.

Under the AAI Regulation and ASTM E1527-21, Environmental Standards will not make specific determinations regarding the existence of suspected lead-containing paint, suspected asbestos, or suspected asbestos-containing materials on the Property or within structures on Site as part of these Phase I ESA activities.

Nothing contained in this report by Environmental Standards shall be construed as a warranty or affirmation by Environmental Standards that the Property described in this report is suitable collateral for any loan or that acquisition of such Property by any lender through foreclosure proceedings or otherwise will pose no risk of potential environmental liability on the part of such lender.

2.5 Special Terms and Conditions

Although ASTM Standard E1527-21 and the AAI Regulation indicate that the standard practice is intended to permit a user to satisfy one of the requirements to qualify as an innocent landowner relating to CERCLA liability, Environmental Standards does not represent that this work, in and of itself, constitutes "all appropriate inquiry into the previous ownership and uses of the property," as this phrase is used in Section 101 (35)(B) of the Federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended through PL 99-499 (October 17, 1986) and 42 USC 9601 (35)(B).

2.6 User Reliance

Any user of this document acknowledges that the document was prepared by Environmental Standards for the exclusive use of DSPC. DSPC agrees that Environmental Standards' reports and correspondences will not be used or reproduced, in full or in part, for promotional purposes and may not be used or relied upon in any prospectus or offering circular without prior written consent. Any user also agrees that none of its advertising, sales promotion, or other publicity matter containing information obtained from this ESA and report will make reference to Environmental Standards' trade name.

Users who rely on this information do so at their peril and specifically acknowledge that the findings described herein do not indicate that the property evaluated is fit for any particular use.

The information provided in this report is not to be construed as legal advice.

3.0 Site Description and Use

3.1 Property Information

The subject Property is comprised of five individual tax parcels as summarized below.

Municipality	City of Wilmington
County	New Castle
Parcel IDs	26-065.00-002, 26-064.00-001, 26-059.00-002, 26-059.00-001
Total Property Size	Approximately 172 acres
# of Buildings	0
Roads	North – East 12th Street East – No roads adjacent to the east South – No roads adjacent to the east West – I-495

The following table provides a summary of the individual parcels that comprise the subject Property and parcel IDs according to New Castle County Public Records.

Address	Parcel ID
1718 East 12th Street	26-065.00-002
1716 East 12th Street	26-064.00-001
1710 East 12th Street	26-059.00-002
1712 East 12th Street	26-059.00-001

Determination of the specific land survey boundary for the subject Property is not included in the scope of this Phase I ESA, and Environmental Standards did not complete a land survey as part of this assessment.

3.2 Building Information

The subject Property does not currently include buildings.

3.3 Adjacent Property Uses

North	Cherry Island Landfill
East	Cherry Island Landfill and Delaware River, Residential properties along eastern shore of river.
South	Christina River, industrial/commercial properties including the Port of Wilmington along southern shore of River.
West	Christina River, undeveloped properties.

3.4 Utilities

Electric	An electrical service utility access manhole was observed in the southern portion of the Property.
Transformer(s)	One pole-mounted transformer was observed near the lighthouse at the southern edge of the Property.
Generator(s)	None.
Heating System	Not applicable.
Water	None.
Sewer	None.
Natural Gas	Not connected.
Stormwater	Stormwater management features including berms, drains, and outfall structures are present at the subject Property.
Underground Storage Tank	None.
Aboveground Storage Tank	None.

4.0 User-provided Information

4.1 Title/Property Use Records

Environmental Standards was not provided with Chain-of-Title information by the client.

4.2 Environmental Liens or Activity and Use Limitations

According to Section 6.2 of E1527-21, the User is responsible for the review of title and judicial records for environmental liens and activity use limitations (AULs). The User's search for environmental liens and AULs is in addition to the EP's search of *institutional control* and *engineering control* registries, if available (Section 5 of this Report). As such, Environmental Standards did not conduct a lien search for the subject Property. The EDR radius report did not identify any activity use limitations at the subject Property.

4.3 Valuation Reduction for Environmental Issues

According to Section 6.5 of E1527-21, the User shall consider the relationship of the purchase price of the subject Property to the fair market value of the property. As described in Section 7 of this report, the User considered the listed purchase price to reflect fair market value.

5.0 Records Review

Environmental Standards commissioned a computer-based environmental information database search of federal and state regulatory databases for environmental information on sites located within ASTM E1527-21 recommended Phase I ESA radii of the Property through EDR. A copy of the EDR Radius Map Report is provided in Appendix A.

5.1 Standard Environmental Record Sources

This Phase I ESA included a computer-based search of federal and state regulatory databases for environmental information on sites located within ASTM-recommended Phase I ESA radii of the subject Property through EDR. Standard environmental record sources included both federal and state databases.

Subject Property

The EDR radii search identified the 10 records detailed below as the subject Property. However, after a review of these entries, it was apparent that the identified "subject Property" records are associated with tax parcels to the north and east of the subject Property that are part of the Cherry Island Landfill and not the actual Subject Property. There were no returns in the EDR search that were associated with the subject Property.

Gate 2 Pavement Improvement at the Cherry Island Landfill was listed in the FINDS database. The record was created on December 18, 2012, and is associated with Gate 2 pavement improvement work. There was little detail provided in this record.

Phases I/II Landfill Gas Header Construction was listed in the FINDS database. The FINDS database or the Facility Index System contains facility information to other sources that contain more detail on the subject Property. There was little detail provided in this record.

DSWA Northern SW Management Cntr (Cherry Island Landfill) was listed in the FINDs database. There was little detail provided in this record.

Cherry Island Renewable Energy, LLC was listed in the DE AIRS, DE ENF, and DE UIC databases. The ENF database record noted that this Property is an active municipal landfill that has an air-monitoring system in place. The ENF database referenced a violation that occurred on 7/21/2010, regarding irregularities discovered during a routine inspection. The inspection showed that the H2S pretreatment system was not operating in conjunction with 2 enclosed flares for the quantity of time specified in the permit.

Cherry Island Landfill was listed in the DE AST database. The database did not provide specific information regarding ASTs at the property.

Delaware Solid Waste Authority, Cherry Island/ Cherry Island Renewable Energy, LLC was listed in the ICIS and US AIRS databases. The ICIS and US AIRS databases provide some of the administrative details and permit numbers of the Cherry Island Landfill air-monitoring system. The ICIS database includes multiple notice of violations (NOVs) that were attributed to the landfill. There are six NOVs that are categorized as "Administrative – Informal" or "Administrative – Formal," the database does not provide additional information on the nature of the NOVs. The US AIRS database contains information on compliance monitoring inspections and evaluations that occur at the landfill. The database does not go into detail on the nature of the compliance

monitoring inspections. Like the ICIS database, the US AIRS database noted a number of NOVs that are categorized as “Administrative – Informal” or “Administrative – Formal,” the database did not provide additional information on the nature of the NOVs.

CHERRY ISLAND RENEWABLE ENERGY, LLC was listed in the ICIS and FINDS databases. The ICIS database notes a ‘CAA 113D1 Action For Penalty” enforcement violation. The ICIS database did not provide additional information relative to the property. The FINDS database notes the property is subject to an air quality permit. The database did not provide additional information relative to the subject Property.

DSWA CHERRY ISLAND LANDFILL (NSWMC) was listed in the RCRA-VSQG, FINDS, and ECHO databases. The RCRA-VSQG databases indicate that Property is a “Conditionally Exempt Small Quantity Generator.” The database record also noted a number of violations that were reported at the Property, while the database does not provide much information on the nature of the violations noted, they are categorized as “Universal Waste – small quantity generators, General - Listing, Used oil – Generators or Compliance Evaluation Inspection On-Site.” The FINDS and ECHO databases provide little additional information.

DELAWARE SOLID WASTE AUTHORITY was listed in the DE SWF/LF and DE TIER 2 databases. The TIER 2 database record indicated that Property stores or manufactures hazardous materials and is required to submit a chemical inventory report. The database record noted the property stores and uses anti-freezing compounds, brake fluid, diesel exhaust fluid, motor oil, and windshield washer fluid.

DE SOLID WASTE AUTHORITY, CHERRY ISLAND was listed in the FINDS and ECHO database. The ECHO database provides integrated compliance and enforcement information for a number of regulated facilities nationwide. The database includes background information on compliance and inspection information at the Cherry Island Landfill. The database noted the facility has an air-quality monitoring permit and includes a comprehensive review of past quarterly evaluations of the facilities air-monitoring system. The database also noted that over the past 3 years, no violations have been recorded for the facility.

Off-site Properties

One-hundred-and-thirty-two off-site records were identified within the environmental database search results. These records were initially reviewed for distance and location to evaluate if there was a potential for these sites to impact the subject Property. Eleven off-site properties were identified as potential sites of concern relative to the subject Property and were further evaluated by reviewing the records and information contained therein. Assumed groundwater flow direction was also considered during this evaluation. A summary of these sites and the conclusions relative to their likelihood to impact the subject Property are presented below. The environmental conditions associated with the off-site property records provided do not appear to have the potential to impact the subject Property.

Salvage Yard Relocation Area II, at intersection of 12th Street and Route 495 (0.177 miles north, lower elevation), was listed in the US BROWNFIELDS and DE SHWS databases. The US BROWNFIELDS database stated that a Phase II ESA was completed on August 26, 2000. The DE SHWS database did not provide additional meaningful detail regarding this site. The facility’s close proximity and upgradient position relative to the subject Property indicates that a release would have the potential to impact the subject Property. Due to the Salvage Yard site potential to impact the subject property, additional records were requested by Environmental Standards;

however, additional records were not identified by DNREC or US EPA in response to these requests. Due to the regulatory status of this site (a known brownfield site with previous environmental work completed) and lack of additional information, this site cannot be completely ruled out as a concern and is therefore considered to be a significant data gap. A significant data gap is further defined in section 8.0.

Up The Creek Restaurant and River Associates, at 1195 East 7th Street (0.218 miles northwest, lower elevation), was listed in the BROWNFIELDS, AST, RCRA NONGEN/NLR FINDS and SHWS INST CONTROL databases. RCRA NONGEN/NLR FINDS verified that there is no longer a generator on site. The AST database confirmed there is an AST on site. The SHWS and INST CONROL databases indicated the site was a state-funded brownfield with deed restrictions. Restrictions include: 1) Interference with remedy. 2) Limitation of Groundwater withdraw. 3) Compliance with LTS Plan and CMMP. The DE SHWS database did not provide additional meaningful information about this site. Based on the position of this site, across the Brandywine Creek, and the regulatory status, it is unlikely that this site currently represents an environmental risk to the subject Property.

DP&L Substation/ Dupont Christina Labs, at 500 Christina Ave (0.233 miles east, lower Elevation), was listed in the DE SHWS, US BROWNFIELDS FINDS databases. The US BROWNFIELDS database shows a US EPA Phase II ESA was completed on February 1, 1998. There were no TSCA chemicals reported on-site. Based on the position of the site, across the Christina River, it is unlikely that this site currently represents an environmental risk to the subject Property.

Halby Chemical, at 600 Terminal Avenue (0.442 miles south, lower elevation), was listed in the DE SHWS and DE INST CONTROL databases. SEMS reported 28 contaminants found in groundwater and soil. The RCRA info database reported D003 Waste Code – Reactive Waste. Based on the position of the site, across the Christina River, it is unlikely that this site currently represents an environmental risk to the subject Property.

Sixty-five off-site records were located within ¼ of a mile and ½ of the Subject Property. Sixty-three of the off-site records are located across a body of water, either the Christina River or Brandywine Creek. The two additional records are located at a lower elevation than the subject Property indicating a minimal risk to the Subject Property.

Seventy-three off-site records were located within ½ mile and 1 mile from the subject Property. Seven-two of these off-site records are located across a body of water, either the Christina River or Brandywine Creek. The remaining record is located at a lower elevation than the subject Property indicating a minimal risk to the subject Property.

5.2 Vapor Encroachment Screening

Based on the ASTM E 2600-10 *Vapor Encroachment Screening Standard,* a vapor encroachment screening should be conducted to evaluate the potential for vapors from contaminated soils or groundwater within a set search radius that may impact the subject Property. The vapor encroachment screening is intended to identify a vapor encroachment condition (VEC), which may impact the Property resulting in a REC.

Environmental Standards utilized the EDR screening workbook and did not identify potential VECs (Appendix F).

5.3 Additional Environmental Record Sources

5.3.1. Delaware Department of Natural Resources and Environmental Control

Environmental Standards inquired about the existence of DNREC records relating to environmental releases at the subject Property by filing a records request application (Appendix F).

On January 31, 2022, S. Lee Sobocinski (DNREC FOIA Coordinator) contacted environmental standards stating that numerous files associated with the subject Property were identified and that a payment was required. On February 3, 2022, Environmental Standards provided DNREC officials with the required payment and were provided with 1,247 individual files pertaining to the subject Property. Upon review of the documents provided by DNREC, it was identified that the files in question were associated with the parcels to the north and east of the subject Property (The Cherry Island Landfill). The Cherry Island Landfill is regulated by DNREC. Accidents, violations, and updates to equipment that occurred on site were well documented and reported to DNREC officials.

Upon review of the documents provided by DNREC, it was determined that the majority of the documents provided were related to violations, reportable items, or permit modifications/renewals. The documents provided to Environmental Standards were organized into the following categories.

- Reportable Items – Reportable item documentation in the files was mostly related to damaged or malfunctioning equipment. Common reports included liner damage, liner leaks, on site fires, or explosions due to vented gases. After each occurrence, DNREC was notified, and an appropriate procedure was agreed upon to assess and repair damage. The reviewed reports of leachate leaks were monitored and appropriately addressed. The cause of most of the on-site fires and explosions were either unknown or started due to gas flair equipment failures. The on-site fires were monitored and appropriately addressed.
- Improper Waste Disposal – Improper waste included waste material that the landfill does not accept. Examples of improper waste identified at the landfill were unpackaged asbestos and regulated medical waste. When these materials were identified, a DNREC Enforcement Officer was notified and would arrive on site to confirm that the material was removed for proper disposal.
- Violations - Violations resulted from a lack of Cherry Island Landfill's compliance with DNREC permits. Adequate correction of violations was reported to DNREC. This mostly came in the form of updating daily operating procedures and wastewater management procedures. The violations were corrected in a timely manner, and it appeared that environmental impacts did not result from the instances reported.
- Permit Modification or Renewal – The Cherry Island Landfill has a Title V Operation Permit. When the permit is up for renewal or there is a request to modify the permit specifications, DNREC was notified, and the landfill engaged in back-and-forth correspondence about the details of the modification or renewal.

In addition to the documents summarized above, one document of particular interest identified was a quarterly groundwater report summarizing groundwater, surface water and leachate sampling activities and results at the Cherry Island Landfill. The document is further summarized below:

3rd Quarter 2018 Environmental Monitoring Report, Delaware Solid Waste Authority – Northern Solid Waste Management Center-2 at Cherry Island, DSWA Contract No. DSWA-S-16-755-NPNC (Permit Nos. SW-16/07), Brickhouse Environmental, Inc., November 12, 2018.

This report documents the environmental monitoring activities conducted at the Cherry Island Landfill by Brickhouse Environmental, Inc. (Brickhouse Environmental) during the 3rd quarter 2018. A copy of this report is provided in Appendix G.

- A depth-to-water (DTW) survey conducted during the sampling event gauged 22 monitoring wells located on site. DTW on site ranged from roughly 8 to 28 feet below grade. Groundwater elevations and contour mapping indicates that groundwater flows east to southeast toward the confluence of the Christina and Delaware rivers.
- Groundwater samples were collected at 22 monitoring wells during the event. The monitoring wells were installed at various depths to target four separate aquifers/groundwater groups: Columbia Aquifer, Potomac Aquifer, Recent Deposits, and Isolated Sand Lens.
- Four surface water locations were sampled during the monitoring event. Historically eight surface water locations are sampled, but during the 3rd quarter 2018, four locations were not discharging and could not be sampled. Surface water sample locations are depicted in the figures included in this report.
- Leachate samples were collected in accordance with the City of Wilmington (permit W-88-02) and CIL operating permit (DNREC Permit SW16/07). In total, five leachate samples were collected.
- Based on the monitoring data, Brickhouse Environmental developed the conclusion that the surface water and groundwater locations sampled during the event do not appear to have been impacted by landfill leachate. No further action or changes were recommended by Brickhouse Environmental following the issue of the monitoring report.

The Cherry Island Landfill is required by the Title V Permit (AQM-003/00111 – Renewal 3) to monitor air quality in relation to the landfill venting system in the form of submitting both semi-annual and annual reports. The reports included deviations from the operation permit, the location and construction of vents on the landfill, and monitoring results. Environmental Standards reviewed the provided semi-annual and annual monitoring reports (note: not all semi-annual or annual reports were provided to Environmental Standards). Information that would pose a significant environmental risk to the property was not observed during the review. A copy of the 2017 CIL Annual Report is provided in Appendix G.

5.3.2. United States Environmental Protection Agency

Environmental Standards utilized the US EPA's online Freedom of Information Act (FOIA) website (MyPropertyInfo). The database was searched for the subject Property address and the query returned "The entered address was found within the EPA Facility Registry System (FRS) list of address records. Multiple reports and facility names were returned. To gather more information Environmental Standards submitted a FOIA request with the EPA on January 10, 2022 (Appendix G). The records request was confirmed by Ms. Rita Tate (Government Information Specialist – EPA Region III) and a records search was initiated."

On January 27, 2022, Ms. Tate, responded to Environmental Standards' request for files by making available 25 files pertaining to the subject Property. Upon review of said files, it was observed that the files provided to Environmental Standards from US EPA were in reference to the

Cherry Island Landfill. These documents were in reference to the landfill's Air Quality Monitoring Permit, which is summarized in section 5.3.1.

5.3.3. City of Wilmington

A Right-to-Know request was submitted to multiple departments for the City of on January 10, 2022. Requests were submitted to the Department of Planning and Development, Department of Licenses and Inspections, and Department of Parks and Recreation. On January 11, 2022, Ms. Dorien Snyder of the department of Planning and Development responded to Environmental Standards' request and directed Environmental Standards to the DNREC website to obtain environmental records (see section 5.3.1).

5.3.4. Additional Resources

Environmental Standards reviewed documents associated with the subject Property that were provided by DSPC. These documents are summarized below and are included in Appendix G.

Wilmington Harbor North Confined Dredge Material Facility Phase I Site Assessment, US Army Corps of Engineers – Philadelphia District, July 22, 2016.

A 2016 Phase I ESA conducted by USACE commissioned EDRNET to provide a database review of the subject Property and surrounding properties to identify potential environmental concerns to the subject Property. The results of this investigation are brief but indicated that there were no environmental reasons that the facility cannot be transferred to the Delaware Solid Waste Authority.

5.4 Physical Setting Sources

5.4.1. Topography

According to the EDR Geocheck® Physical Setting Source Summary, the Site lies at an elevation of approximately 26 feet above mean sea level. The topography of the Property is generally flat, gently sloping toward the southwest.

5.4.2. Local Geology

Bedrock beneath the Property is part of the Windy Hill Gneiss Formation. The Windy Hill Gneiss Formation consists of thinly interlayered, fine- to medium-grained hornblende-plagioclase amphibolite, biotite gneiss, and felsic gneiss, most likely metavolcanic (Delaware Geological Survey).

5.4.3. Local Soils

According to the U.S. Department of Agriculture's (USDA's) Soil Conservation Service (SCS), soils in the vicinity of subject Property are classified as urban land with no unified soil type. The urban land complex is well drained due to the extremely gravelly soil.

5.4.4. Groundwater

Based on groundwater information from other local groundwater studies, Environmental Standards assumed that under natural, unconfined aquifer conditions, shallow groundwater

beneath the Site would reasonably be expected to flow Southeast to the regional surface water discharge point, the Delaware River. The 3rd quarter 2018 groundwater monitoring report for the Cherry Island Landfill notes depth to water was commonly recorded between 8 to 28 feet below grade.

5.4.5. Surface Water

In general, stormwater runoff on portions of the Property would be expected to flow south into the two surrounding bodies of water, the Christina River and Delaware River. The Christina River is located immediately adjacent to the entire southern border of the subject Property. The Delaware River is immediately adjacent to the easternmost portion of the subject Property.

5.4.6. Wetlands and Flood Information

According to the Detail Map presented in the EDR Radius Map Report (Appendix A), mapped wetlands are present along the southern, western, and eastern borders of the subject Property adjacent to the Christina and Delaware rivers. In addition, the southern border of the subject Property is mapped within the Special Flood Hazard Area (1%).

5.5 Historical Use Information about the Property

Known historical development of the Property dates to at least 1904 when the Property appeared to have been an underdeveloped marsh, as shown on a 1904 topographic map. The property has a long history of industrial and waste use.

As part of the historical use evaluation, a Historical Topographic Map Report (Appendix B) was obtained and reviewed. The historical topographic maps show roads, water bodies, topographic contours, railroads, and regions of development through time. Historical topographic maps of the subject Property were included in the EDR Report provided for this ESA. These maps provide representations of the Site and the vicinity for the years 1904, 1906, 1919, 1942, 1948/1951, 1967, 1993, 1995/1997, 2014, 2016, and 2019.

A review of the topographic maps is provided below:

1904/1906 Topographic Map:

Subject Property	The Site appears in an area with little development, mostly marsh land. One large structure, a light house, is depicted on the subject Property. Roads border the northwestern and northern portion of the Property and extend down the eastern portion of the Property.
Surrounding Properties	Surrounding areas are moderately developed including a large residential area northwest of the Property and commercial/industrial development south, across the Christina River.

1919 Topographic Map:

Subject Property	The Site appears to have become more land and less of a marsh. The southeastern portion of the Property has been extended into the Delaware River.
Surrounding Properties	No significant changes.

1942 Topographic Map:

Subject Property	The entire eastern portion of the subject Property has been extended into the Delaware River. Two buildings were present on the southern boundary along the Christina River.
Surrounding Properties	A building and a parking lot were developed adjacent to northern boundary. The residential area northwest of the subject Property was heavily developed. The commercial/industrial development south of the subject Property, across the river, has become moderately developed.

1948/1951 Topographic Map:

Subject Property	Dikes have been added within the subject Property as well as around the entire perimeter.
Surrounding Properties	The residential area northwest of the subject Property is now designated as a densely developed area as indicated by pink shading.

1967 Topographic Map:

Subject Property	All vegetation has been removed from southeastern portion of subject Property.
Surrounding Properties	Sewage disposal facilities have been developed north of the subject Property.

1993 Topographic Map:

Subject Property	Presence of dikes indicated by steep slopes are present. Two distinct cells have been created. One within Property boundaries (western cell), the other is adjacent to northern border (eastern cell). Multiple levees have been built along the borders of each cell.
Surrounding Properties	Increased residential development is present to the northeast and northwest. A major highway (I-495) has been constructed along the northwestern portion of the subject Property.

1995/1997 Topographic Map:

Subject Property	No significant changes.
Surrounding Properties	No significant changes.

2014 Topographic Map:

Subject Property	Maximum elevation of western cell is 60 feet.
Surrounding Properties	Maximum elevation of eastern cell is 115 feet

2016 Topographic Map:

Subject Property	Maximum elevation of western cell is 55 feet and is shown to be vegetated.
Surrounding Properties	No significant changes.

2019 Topographic Map:

Subject Property	No significant changes.
Surrounding Properties	No significant changes.

Historical aerial photograph coverage (Appendix C), was obtained and reviewed for the area in which the Site is located. Historical aerial photographs were included in the EDR Report provided for this ESA. These photographs provide representations of the Site and vicinity for the years 1940, 1954, 1965, 1970, 1974, 1982, 1991, 1991, 1997, 1998, 2006, 2010, 2013, and 2017.

A review of the photographs is provided below:

1940 Aerial Photograph:

Subject Property	The subject Property has a path extending down the eastern border until it reaches a lighthouse on the Property's southeastern corner.
Surrounding Properties	Roads are adjacent to the northwestern and northern boundary. There are also buildings and a parking lot adjacent to the northern border. The surrounding area, across the Christina River to the south, is moderately developed with buildings that appear to be a combination of commercial and industrial buildings. Marsh land surrounds the northern and eastern boundaries of the subject Property.

1954 Aerial Photographs:

Subject Property	Large amounts of soil have been imported, converting the marsh land along the eastern boundary into somewhat solid ground.
Surrounding Properties	Large amounts of soil have been imported, converting the marsh land adjacent to the northeastern boundary into somewhat solid ground. Surrounding properties are more developed with some additional structures to the south.

1965 Aerial Photographs:

Subject Property	No significant change.
Surrounding Properties	No significant change.

1970 Aerial Photographs:

Subject Property	Large amounts of soil have been imported converting the marsh land along the northern and eastern boundaries into solid ground. Soil has also been added to main section of Property.
Surrounding Properties	Buildings and a parking lot adjacent to northern border have been removed. Sewage treatment plant has been built to the north of the Property.

1974 Aerial Photographs:

Subject Property	Additional soil has been imported and truck paths have been established.
Surrounding Properties	A major highway (I-495) has been constructed along the northwestern portion of the subject Property.

1982 – 1997 Aerial Photograph:

Subject Property	Development of two separate cells within the landfills, west and east. Only the western cell is within target Property. Western cell is being used.
Surrounding Properties	Sewage disposal ponds have been installed along northern portion of the Property.

1998 Aerial Photograph:

Subject Property	Aerial photograph for 1998 is of insufficient quality to determine changes.
Surrounding Properties	Aerial photograph for 1998 is of insufficient quality to determine changes.

2006 and 2010 Aerial Photographs:

Subject Property	Vegetation is now present on the top of the western cell.
Surrounding Properties	Eastern cell shows signs of being utilized.

2013 Aerial Photographs:

Subject Property	Loss of vegetation on the top of western cell.
Surrounding Properties	Eastern cell is being utilized.

2017 Aerial Photographs:

Subject Property	Vegetation covers the entirety of the western cell.
Surrounding Properties	Portions of eastern cell are covered with vegetation.

As part of the historical use evaluation, Sanborn Fire Insurance Maps (Appendix D) were requested. Sanborn maps were not available for the property in the EDR Report provided for the Phase I ESA.

In the City Directory Abstract (Appendix E), business directories were reviewed at approximately 5-year intervals for years spanning 2000 through 2017.

Date	Source	Property Information
2017	EDR Digital Archive	Cummins Power Generation
2014	EDR Digital Archive	Cummins Power Generation
2010	EDR Digital Archive	Cherry Island Landfill Greggo and Ferrara Inc Sevenson Environmental SVC Inc
2005	EDR Digital Archive	Cereza Energy Inc
2000	EDR Digital Archive	George and Lynch

6.0 Site Reconnaissance

Environmental Standards representatives, Daniel Claycomb, P.G., and Joseph Kraycik, P.G., conducted a site reconnaissance visit of the subject Property on March 16, 2022. Mr. Daniel Kelly, P.E., and Mr. William (Skip) Harris of the USACE accompanied Environmental Standards during a tour of the subject Property. Mr. Kelly and Mr. Harris were interviewed at the start of the visit and were available to answer Environmental Standards' questions during the visit. The objective of Environmental Standards' site reconnaissance visit was to observe the Property visually and to physically collect information to help identify RECs in connection with the subject Property.

This section of the report discusses observations made during the reconnaissance visit regarding current uses of the Property that are likely to involve or could involve the use, treatment, storage, disposal, or generation of hazardous substances or petroleum products.

6.1 Methodology and Limiting Conditions

The site reconnaissance visit consisted of driving and walking *readily accessible* areas of the subject Property and recording visual and physical observations, including photographic documentation. Photographs and narratives of the Site and adjoining properties are presented in the attached Photograph Log.

6.2 Observations

The Property, which consists of five individual parcels, consists primarily of a disposal area that was previously used by the USACE for dredge material disposal. This area is densely vegetated. A gravel/dirt access road is present around the dredge material disposal area although the road on the western side was overgrown and impassable during the reconnaissance visit. The access road also continues to the east along the southern portion of the subject Property between the Christina River to the south and the DSWA property to the north. A Maintenance Dredge Plan was provided to Environmental Standards by Mr. Dan Kelly of USACE. This document is provided in Appendix G and presents features associated with the dredge material disposal facility.

There are no buildings present on the subject Property. A lighthouse is present to the south of the subject Property in the Christina River.

A sluice structure was observed on the north side of the containment berm that forms the southern end of the former dredge material disposal area. Mr. Kelly explained that the sluice structure served as a drainage feature during dredge material dewatering. Steel piping was observed to the south of the containment berm. Mr. Kelly stated that this piping was previously connected to the sluice structure but was disassembled because piping was needed for an off-site project.

Adjoining properties are primarily used for commercial or industrial purposes. The Cherry Island Landfill is located to the north and east of the subject Property. The Christina River borders the subject Property to the south with the Port of Wilmington on the opposite shoreline. Interstate 495 passes above the western portion of the subject Property.

6.2.1. Pits, Ponds, or Lagoons

The former dredge material disposal area consists of a large depression. Although standing water was not observed in this area during the reconnaissance visit, it is likely that ponding of water occurs as the result of precipitation events.

6.2.2. Railroad Lines or Spurs

Railroad ties were not observed on the subject Property.

6.2.3. Drains or Sumps

Stormwater drainage features are present at the subject Property.

6.2.4. Septic Systems

No evidence of a septic system was observed during the Site walk.

6.2.5. Drums or Storage Containers

Drums and storage containers were not observed on the subject Property.

6.2.6. Odors

No unusual odors were noticed during the Site reconnaissance.

6.2.7. Landfills or Dumping Activities

The subject Property has been used for dredge material disposal in the past. Landfilling or dumping activities were not observed on the subject Property during the Site visit. The Cherry Island Landfill is located adjacent to the subject Property.

6.2.8. Waste or Process Water Discharge

No waste or process water discharges were observed on or adjacent to the Property.

6.2.9. UST System and Piping

No UST systems or piping were observed during the Site visit.

6.2.10. AST System and Piping

No AST systems or piping was observed during the Site visit.

6.2.11. Hydraulic Lifts or Equipment

No hydraulic lifts or equipment were observed during the Site visit.

6.2.12. Wells

Groundwater monitoring wells and piezometers associated with the Cherry Island Landfill were observed in the southeastern portion of the subject Property.

6.2.13. Industrial/Manufacturing Activities

No industrial or manufacturing activities were observed during the Site reconnaissance.

6.2.14. Remedial Activities

There were no current remedial activities taking place at the subject Property during the reconnaissance visit.

6.2.15. Stained Soils or Pavement

Environmental Standards did not obesrve stained soils or pavements during the March 16, 2022 Site visit.

6.2.16. Burning Activities

Burning activities were not observed on or adjacent to the subject Property.

6.2.17. Leachate or Seeps

No leachate or seeps were observed on the subject Property.

6.2.18. Stressed Vegetation

There was no stressed vegetation observed on or immediately adjacent to the subject Property.

6.2.19. Chemical Spills or Releases

There was no evidence of spills or releases observed during the Site visit.

6.2.20. Surface Water Contamination

Environmental Standards did not observe surface water contamination at the subject Property.

6.2.21. Transformers

One pole-mounted transformer was observed. The transformer was mounted on a telephone pole located on the shoreline immediately to the north of the lighthouse.

7.0 Interviews

7.1 Interview with Key Site Manager

Mr. Kelly and Mr. Harris were interviewed as part of the Site Reconnaissance visit (Section 6). Information gathered from this interview has been included in this Phase I ESA report.

7.2 Interviews with Local Government Officials

To obtain reasonably ascertainable historical information about the environmental condition of the subject Property, Environmental Standards performed FOIA requests from local, county, state, and federal governmental agencies. Responses to these requests are summarized in Section 5.3 of this report.

7.3 Interviews with User

ASTM E1527-21 defines the "User" of this Phase I ESA as the party seeking to use it to complete an environmental site assessment of the subject Property. A User may be a potential purchaser of the Property, a potential tenant of the Property, an owner of the Property, a lender, or a Property Manager. The User has specific obligations for completing a successful application of E1527-21. To qualify for the Landowner Liability Protections offered by the Business Liability Relief and Brownfields Revitalization Act of 2001, the User must provide certain and complete information to the EP conducting the Phase I ESA. Failure to provide this information (if available) could result in a determination that "all appropriate inquiry" is not complete.

As part of this Phase I ESA, Environmental Standards posed a series of questions to Mr. Eugene Bailey, Executive Director, DSPC, regarding environmental conditions at the Property. Mr. Bailey is a User of this Phase I ESA. In accordance with ASTM E1527-21, the following questions were posed to the User to satisfy one of the requirements of the Landowner Liability Protections. Mr. Bailey's response follows each question in bold:

(1.) Environmental liens that are filed or recorded against the *Property* (40 CFR 312.25).

Did a search of land title records (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the subject Property under federal, tribal, state, or local law?

NOTE 1 — in certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases, judicial records must be searched for environmental liens and AULs.

Response: The "Wilmington Harbor North" parcels to be acquired by DSPC are comprised of four tax parcels. These tax parcels are: TP # 26-059.00-02; TP# 26-059.00-001; TP# 26-064.00-001 and TP# 26-065.00-002. DSPC obtained title searches for all of the parcels from First American Title Insurance Company dated as of December 20, 2021 (collectively, the "Title Searches"). To the best of DSPC's knowledge after review of the Title Searches, there are no environmental liens recorded against Wilmington Harbor North.

(2.) Activity and use limitations that are in place on the *Property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and (vi)).

Did a search of land title records (or judicial records where appropriate, see Note 1 above) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the subject Property and/or have been filed or recorded against the subject Property under federal, tribal, state, or local law?

Response: Based on the Title Searches, DSPC notes the following:

There is a Declaration of Delaware Solid Waste that the property has been and will be used for solid waste disposal and lands are restricted under the Delaware Department of Natural Resources and Environmental Controls regulations governing solid waste. This is recorded at Book 1866 Page 262 and includes in the listing of tax parcel number, TP# 26-059.00-001, which is part of Wilmington Harbor North.

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

Do you have any specialized knowledge or experience related to the subject Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Response: DSPC has owned the Port of Wilmington since 1995. DSPC operated the Port until 2018. DSPC owns a portion of Wilmington Harbor South and has owned a portion of a dredge material placement site but contracted out dredging operations for the Port of Wilmington.

(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this subject Property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the subject Property?

Response: The transfer of this property is directed by an Act of Congress pursuant to the Water Resources Development Act of 2020 and the purchase price must reasonably reflect the fair market value.

(5.) Commonly known or *reasonably ascertainable* information about the *Property* (40 CFR 312.30).

Are you aware of commonly known or reasonably ascertainable information about the subject Property that would help the EP to identify conditions indicative of releases or threatened releases? For example,

(a.) Do you know the past uses of the subject Property?

Response: DSPC is aware that this property was owned by the Army Corps of Engineers and operated as a dredge materials placement site. A portion of the property was previously owned by the Delaware Solid Waste Authority and the property is adjacent to Cherry Island, a Delaware landfill.

(b.) Do you know of specific chemicals that are present or once were present at the subject Property?

Response: DSPC has no personal knowledge of the specific chemicals that are present or once were present at the property but anticipates that the constituents of the prior dredge materials would be on the property.

One recorded document, Easement and License Agreement between Frederic A. Potts & Co. and Getty Refining and Marketing Co dated March 30, 1982 and recorded at Volume C122 Page 193 (relating to TP# 26-059-00-002) references the prior disposal of petroleum coke.

(c.) Do you know of spills or other chemical releases that have taken place at the subject Property?

Response: DSPC has no knowledge of any spills or other chemical releases that have taken place at Wilmington Harbor North.

(d.) Do you know of any environmental cleanups that have taken place at the subject Property?

Response: Not to DSPC's knowledge.

(e.) Do you know any other relevant environmental information about the subject Property?

Response: DSPC is still evaluating the property but at this time we have no additional environmental information about the property.

(6.) The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)

Based on your knowledge and experience related to the subject Property are there any obvious indicators that point to the presence or likely presence of releases at the subject Property?

Response: As noted above, Wilmington Harbor North is presently and was historically used as a dredge spoil site so if the dredge materials contained contamination, we would anticipate the presence of that contamination to continue to be located on the property. We are not aware that any of the historical dredge materials were contaminated.

8.0 Data Gaps

According to the US EPA AAI Regulation, a “data gap’’ is a lack of, or inability to obtain, information required by the standards and practices listed in the AAI Regulation, despite good faith efforts by the EP or the prospective landowner to gather such information pursuant to the objectives for all appropriate inquiries. A “significant data gap” is a data gap that affects the ability of the EP to identify a REC.

The AAI Final Rule requires EPs, prospective landowners, and grant recipients to identify data gaps that affect their ability to identify conditions indicative of releases or threatened releases of hazardous substances. The Final Rule requires such persons to identify the sources of information consulted to address the data gaps and comment upon the significance of the data gaps with regard to the ability to identify conditions indicative of releases or threatened releases. The AAI Final Rule also requires that the inquiries report include comments regarding the significance of data gaps relative to the EP’s ability to provide an opinion as to whether the inquiries have identified conditions indicative of releases or threatened releases.

A significant data gap would restrict Environmental Standards’ ability to form an opinion regarding the release, threat of a release, or potential for a release to have occurred at the subject Property. The following significant data gap was identified during the Phase I ESA process:

- The Salvage Yard Relocation Area II, which according to the EDR report was located at the intersection of 12th Street and Route 495, was listed in the US BROWNFIELDS and DE SHWS databases. These databases did not include detailed information on the historical environmental conditions present at this site. Due to the proximity of this site and the database records associated with the site, Environmental Standards requested additional environmental documents from the US EPA and DNREC. Both regulatory bodies responded to Environmental Standards’ request, stating that files did not exist for the property. This lack of information about the potential for this property to impact the subject Property constitutes a significant data gap.

9.0 Findings and Opinions

Environmental Standards developed the following findings and opinions because of the environmental assessment process and as defined in E1527-21, this section identifies known or suspect RECs, cRECs, hRECs, and *de minimis* conditions and Environmental Standards' opinions regarding these findings.

Known historical development of the subject Property dates to at least 1914 when dredged material disposal began (U.S. Army Corps of Engineers [USACE], 2016). Previously, the subject Property consisted of undeveloped marshlands as shown on the 1904 and 1906 topographic maps. The subject Property is not currently being used for active dredge material placement.

Environmental Standards identified one REC in connection with the subject Property. Environmental Standards also identified one significant data gap in connection with a nearby property.

The use of the subject Property for dredged material disposal represents a REC. The dredge material disposed of at the subject Property was sourced from the adjacent rivers and as such, environmental impacts to the material are possible.

The Cherry Island Landfill, located adjacent to the subject Property to the north and east, is an active, permitted municipal waste landfill. This facility has been in continuous operation since at least the 1970s. A 2018 environmental report, prepared by Brickhouse Environmental, indicated that the landfill has a routine groundwater and leachate monitoring program in place. Based on groundwater monitoring conducted by Brickhouse Environmental at the landfill and adjacent parcels, groundwater has not been impacted by leachate emanating from the landfill. Therefore, the Cherry Island Landfill is unlikely to present an environmental risk to the subject Property at this time. In addition, the most recent Cherry Island Landfill monitoring report indicated that groundwater downgradient of the subject Property is not impacted. Therefore, it appears that there are no impacts to groundwater flowing off the subject Property.

The EDR database records identified numerous nearby properties in various environmental databases. With the exception of the Salvage Yard Relocation Area II, located at the intersection of 12th Street and Route 495, these properties were able to be ruled out as environmental concerns to the subject Property. The Salvage Yard was included in the US BROWNFIELDS and DE SHWS databases, indicating that the property has undergone environmental investigations utilizing US EPA Brownfield funds. Environmental Standards was unable to determine the current status or gather additional information related to this property through due diligence and file requests with environmental agencies. Therefore, this property is considered a significant data gap.

10.0 Conclusions

Environmental Standards has performed a Phase I ESA in general conformance with the scope and limitations of ASTM Standard E1527-21 of the subject Property. Exceptions to or deletions from this practice are described in Section 11.0 of this report. Based on the records review and the site reconnaissance, Environmental Standards identified one REC in connection with the subject Property and one significant data gap in connection with a nearby property. Details regarding the REC and the significant data gap are provided in the Data Gaps and Findings and Opinions Sections of this Report (Sections 8.0 and 9.0).

11.0 Deviations

There were no deviations from the ASTM Phase I ESA Standard in the ESA process.

12.0 Additional Services

Environmental Standards performed no additional services as part of this Phase I ESA.

13.0 References

Brickhouse Environmental, Inc. "3rd Quarter 2018 Environmental Monitoring Report, Delaware Solid Waste Authority – Northern Solid Waste Management Center-2 at Cherry Island, DSWA Contract No. DSWA-S-16-755-NPNC (Permit Nos. SW-16/07)," November 12, 2018.

Delaware Geological Survey, Schenck, W.S. et al., "GM10 Bedrock Geologic Map of the Piedmont of Delaware and Adjacent Pennsylvania", January 2000.

Environmental Data Resources, Inc. "The EDR Aerial Photo Decade Package," Inquiry No. 6778463.8. December 08, 2021.

Environmental Data Resources, Inc. "EDR City Directory Abstract," Inquiry No. 6778463.5. December 30, 2021.

Environmental Data Resources, Inc. "EDR Historical Topographic Map Report," Inquiry No. 6778463.4. December 7, 2021.

Environmental Data Resources, Inc. "The EDR Radius Map Report with GeoCheck," 6778463.2s. December 7, 2021.

Environmental Data Resources, Inc. "Certified Sanborn Map Report," Inquiry No. 6778463.3. December 7, 2021.

Environmental Data Resources, Inc. "The EDR Vapor Encroachment Screen," Inquiry No. 6778463.2s. February 14, 2022.

U.S. Army Corps of Engineers. "Wilmington Harbor North Confined Dredge Material Facility Phase I Site Assessment," July 22, 2016.

14.0 Signatures

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professionals as defined in §312.10 of the US EPA's Standards and Practices for All Appropriate Inquiries Final Rule.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject Property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Joseph P. Kraycik, P.G., CQA
Senior Consulting Geoscientist
Environmental Standards, Inc.

Daniel P. Claycomb, P.G.
Principal Geoscientist
Environmental Standards, Inc.

15.0 Qualifications of Environmental Professionals

Professional biographies for the EPs involved in the development of this Phase I ESA are provided in Appendix H.

PHOTOGRAPH LOG

PHOTOGRAPH LOG



Photo 1 – Adjoining property to the north (owned by DSWA) with subject Property in the distance. View is to the south.



Photo 2 – Property boundary between subject Property and adjoining property to the north. View is to the east.

PHOTOGRAPH LOG



Photo 3 – View from subject Property to the adjoining properties to the north and east. View is to the north.



Photo 4 – View of berm at the subject Property. View is looking to the west

PHOTOGRAPH LOG



Photo 5 – View of southern portion of subject Property toward Christina River and Port of Wilmington. View is looking to the southwest.



Photo 6 – Retaining wall and outfall structure on subject Property and adjoining property to the north. View is looking to the southeast.

PHOTOGRAPH LOG



Photo 7 – Lighthouse, Christina River, and Port of Wilmington. View is looking south from subject Property.



Photo 8 – Southern portion of subject Property and entrance to Port of Wilmington. View is looking to the southeast.

PHOTOGRAPH LOG



Photo 9 – Monitoring P-106. View is looking to the northeast.



Photo 10 – Sluice structure on subject Property. View is looking to the north/northwest.

PHOTOGRAPH LOG

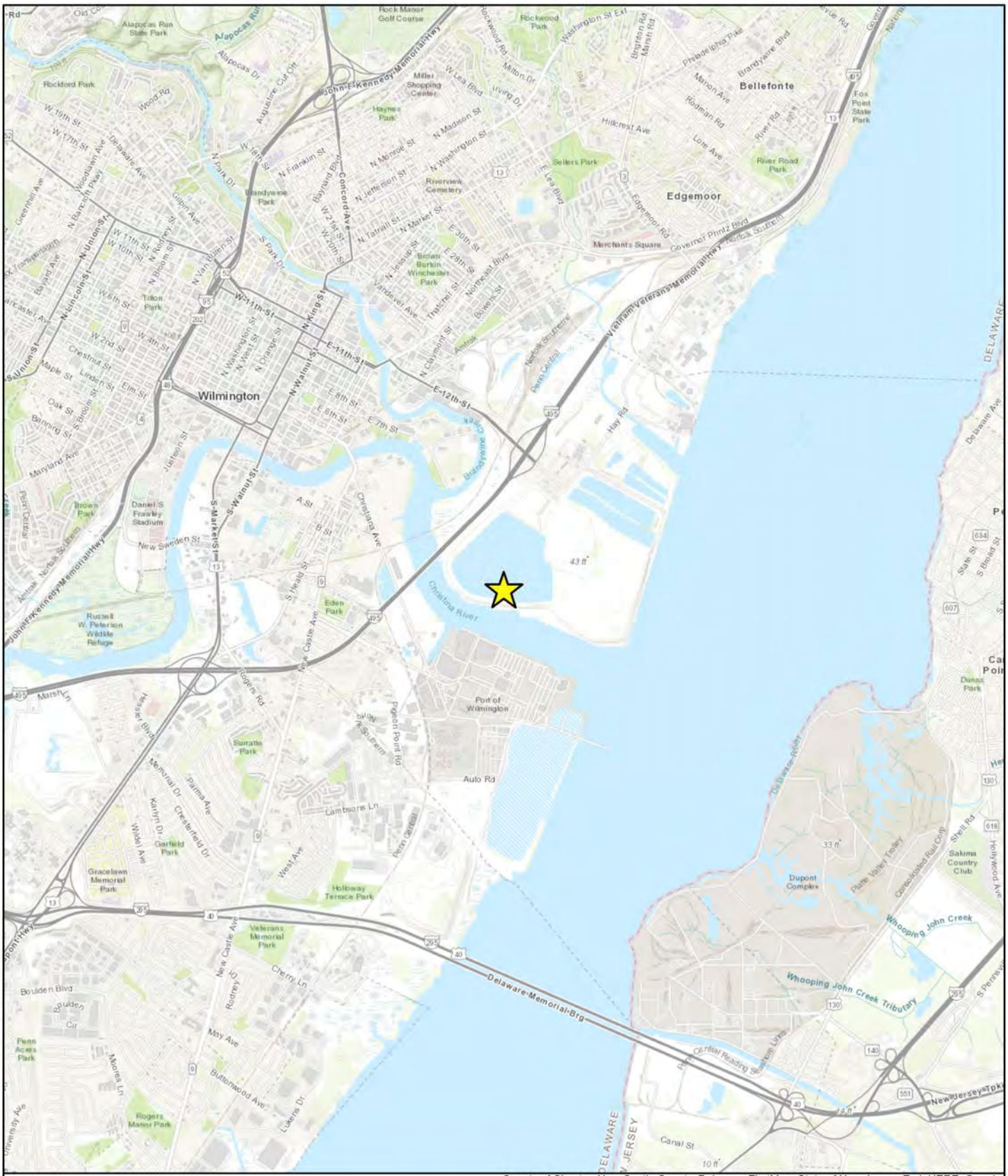


Photo 11 – Disassembled piping associated with the Sluice structure. View is looking to the south/southwest.



Photo 12 – Electrical utility access manhole on subject Property.

FIGURES



SITE LOCATION

County of Chester, New Castle County, Delaware FirstMap, State of New Jersey, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

N

0 0.25 0.5 1 MILES

CREATION DATE:	PROJECT NO:	
JANUARY 20, 2022	20219684.A	FIGURE 1: SITE TOPOGRAPHIC MAP
ENVIRONMENTAL STANDARDS	DRAWN BY: MNW / APPRV'D BY: JPK	
	CHEK'D BY: CEF / REVISION: 0	WILMINGTON HARBOR NORTH 1706 EAST 12TH STREET, WILMINGTON, DE 19801

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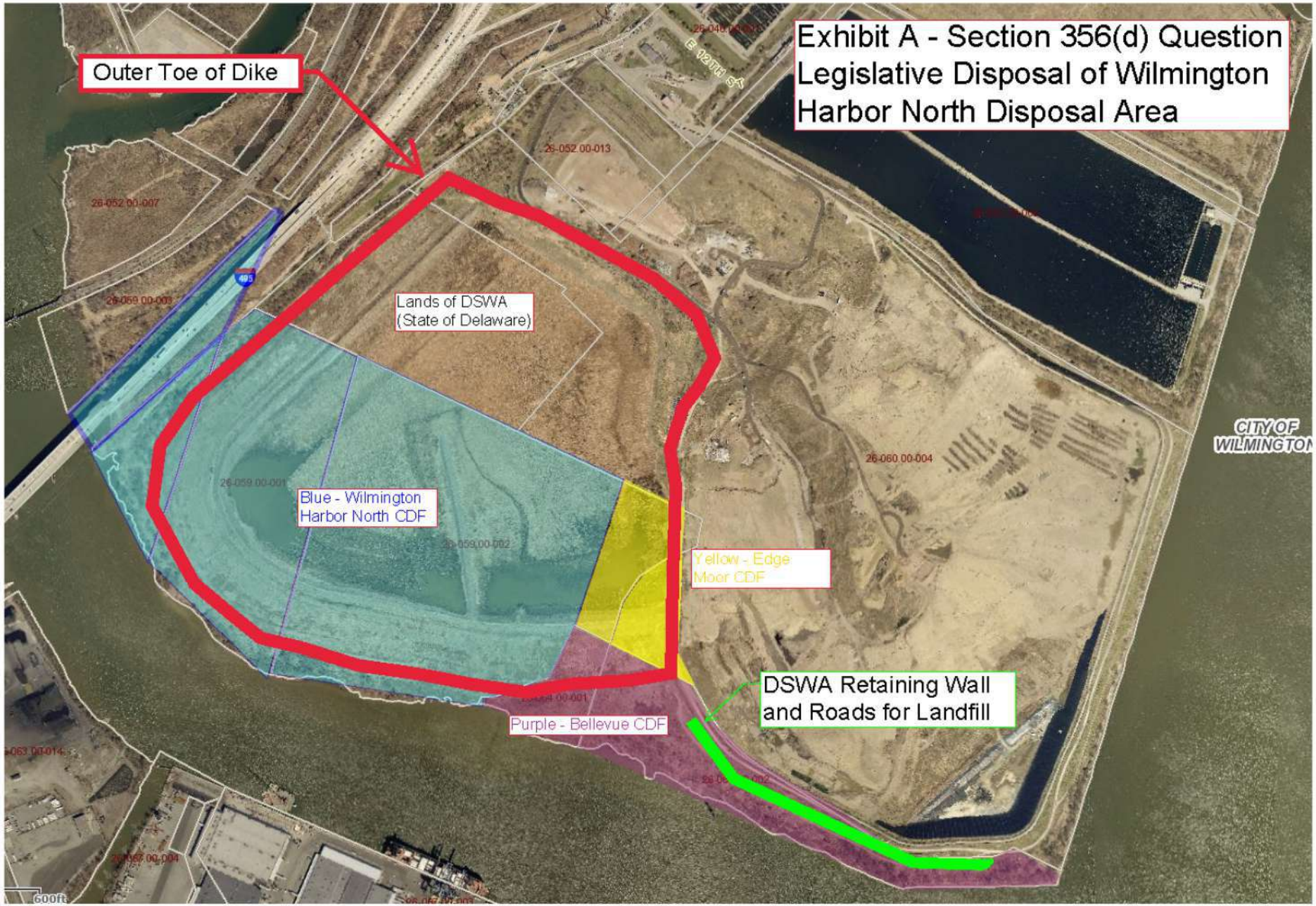

NOTE: THE PHASE I ESA SCOPE INCLUDES THE AREAS SHADED BLUE, YELLOW, AND PURPLE.

CREATION DATE:	PROJECT NO:	
MARCH 23, 2022	20219684.A	FIGURE 2: WILMINGTON HARBOR NORTH PHASE I ESA LOCATIONS
ENVIRONMENTAL STANDARDS	DRAWN BY: MNW / APPRV'D BY: DPC	
	CHEK'D BY: JPK / REVISION: 0	WILMINGTON HARBOR NORTH WILMINGTON, DE

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APPROXIMATE PROPERTY BOUNDARY

PHOTO LOCATION AND DIRECTION

N

0 500 1,000 2,000

FEET

CREATION DATE: MARCH 23, 2022	PROJECT NO: 20219684.A		FIGURE 3: SITE LOCATION MAP
ENVIRONMENTAL STANDARDS	DRAWN BY: MNW	APPRV'D BY: JPK	
	CHEK'D BY: CEF	REVISION: 0	WILMINGTON HARBOR NORTH 1706 EAST 12TH STREET, WILMINGTON, DE 19801

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APPENDICES

APPENDIX A

Wilmington Harbor North
1706 E 12th Street
Wilmington, DE 19801

Inquiry Number: 6778463.2s
December 07, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1706 E 12TH STREET
WILMINGTON, DE 19801

COORDINATES

Latitude (North):	39.7246040 - 39ˆ 43' 28.57''
Longitude (West):	75.5240630 - 75ˆ 31' 26.62''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	455085.7
UTM Y (Meters):	4397113.5
Elevation:	26 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	14402867 WILMINGTON SOUTH, DE
Version Date:	2019
Southeast Map:	14317887 PENNS GROVE, NJ
Version Date:	2019

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150724
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1706 E 12TH STREET
WILMINGTON, DE 19801

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	GATE 2 PAVEMENT IMPR	1706 EAST 12TH STREE	FINDS		TP
A2	PHASES I/II LANDFILL	1706 EAST 12TH STREE	FINDS		TP
A3	DSWA NORTHERN SW MAN	1706 EAST 12TH STREE	FINDS		TP
A4	CHERRY ISLAND RENEWA	1706 EAST 12TH STREE	DE AIRS, DE ENF, DE UIC		TP
A5	CHERRY ISLAND LANDFI	1706 EAST 12TH STREE	DE AST		TP
A6	DELAWARE SOLID WASTE	1706 EAST 12TH STREE	ICIS, US AIRS		TP
A7	CHERRY ISLAND RENEWA	1706 E 12TH STREET	ICIS, FINDS		TP
A8	DSWA CHERRY ISLAND L	1706 EAST 12TH STREE	RCRA-VSQG, FINDS, ECHO		TP
A9	DELAWARE SOLID WASTE	1706 E 12TH ST	DE SWF/LF, DE TIER 2		TP
A10	DE SOLID WASTE AUTHO	1706 E 12TH STREET	FINDS, ECHO		TP
Reg	HALBY CHEMICAL CO.	600 TERMINAL AVE	NPL, SEMS, US ENG CONTROLS, US INST CONTROLS, DE...	Same	2182, 0.413, WSW
11	SALVAGE YARD RELOCAT	INTERSECTION OF 12TH	US BROWNFIELDS	Lower	932, 0.177, North
B12	UP THE CREEK RESTAUR	1195 E. SEVENTH STRE	DE BROWNFIELDS	Lower	1150, 0.218, NNW
B13	RIVER ASSOCIATES (FO	1195 EAST 7TH STREET	DE AST	Lower	1150, 0.218, NNW
B14	RIVER ASSOCIATES (FO	1195 EAST 7TH STREET	RCRA NonGen / NLR, FINDS	Lower	1150, 0.218, NNW
B15	UP THE CREEK RESTAUR	1195 EAST 7TH STREET	DE SHWS, DE INST CONTROL	Lower	1150, 0.218, NNW
16	DP&L SUBSTATION/ DUP	SOUTH WILMINGTON	DE SHWS	Lower	1228, 0.233, WNW
17	CITY OF WILM. MARINE	TERMINAL AVENUE	DE SHWS, DE INST CONTROL	Lower	1463, 0.277, SSE
C18	DP/DUPONT CHRISTINA	500 CHRISTIANA AVE	US BROWNFIELDS	Lower	1469, 0.278, West
C19	DP/DUPONT CHRISTINA	500 CHRISTIANA AVE	US BROWNFIELDS, FINDS	Lower	1469, 0.278, West
20	SALVAGE YARD RELOCAT	0 I-495 NB	DE SHWS	Lower	1476, 0.280, North
21	POTTS PROPERTY	I-495 & CHRISTINA AV	DE INST CONTROL, DE VCP	Lower	1533, 0.290, West
22	EAST 7TH ST PENINSUL	7TH STREET	DE SHWS	Lower	1630, 0.309, NNW
23	FORMER NASCO BLDG.	FOOT OF CHRISTIANA A	DE LUST	Lower	1673, 0.317, SW
24	SPILL LOCATION	601 CHRISTIANA AVE	DE SWF/LF, DE SPILLS, DE AIRS	Lower	1699, 0.322, WSW
D25	DP/CONGO MARSH-CONGO	1599 A ST	US BROWNFIELDS, FINDS	Lower	1723, 0.326, WNW
D26	DP/CONGO MARSH-DELMA	1599 A ST	US BROWNFIELDS	Lower	1723, 0.326, WNW
27	1190 E. 7TH ST	1190 EAST 7TH STREET	DE SHWS, DE BROWNFIELDS	Lower	1724, 0.327, NNW
E28	EAST 7TH STREET DRUM	7TH ST. PENINSULA	SEMS-ARCHIVE, PRP	Lower	1900, 0.360, NNW
D29	DP&L/ CONGO MARSH	CHRISTINA AVENUE	DE SHWS	Lower	1912, 0.362, WNW
E30	PENINSULA VENTURES	1170, 1155, 1145 EAS	DE SHWS, DE INST CONTROL	Lower	1942, 0.368, NNW
E31	EAST 7TH ST PENINSUL	EAST 7TH STREET PENI	DE SHWS	Lower	2016, 0.382, NNW
F32	PORT OF WILMINGTON W		DE VCP	Lower	2227, 0.422, South
G33	FORMER STRAIGHT LINE	701 CHRISTINA AVENUE	DE SHWS, DE INST CONTROL	Lower	2234, 0.423, SW
G34	FORMER STRAIGHT LINE	701 CHRISTIANA AVENU	DE BROWNFIELDS	Lower	2234, 0.423, SW
G35	CHRISTINA AVENUE A	612 CHRISTINA AVENUE	US BROWNFIELDS	Lower	2256, 0.427, SW
H36	EASTSIDE/SOUTH WILMI	CHRISTINA AVENUE	DE SHWS, DE INST CONTROL	Lower	2302, 0.436, NW
I37	HALBY CHEMICAL	600 TERMINAL AVENUE	DE SHWS, DE INST CONTROL	Lower	2332, 0.442, WSW
I38	NRDA HALBY		DE SHWS	Lower	2332, 0.442, WSW

MAPPED SITES SUMMARY

Target Property Address:
1706 E 12TH STREET
WILMINGTON, DE 19801

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
39	GEORGIA PACIFIC	TERMINAL AVENUE	DE LUST	Lower	2333, 0.442, SSW
J40	KALMAR NYCKEL/CHALLE	1112 & 1120 EAST SEV	US BROWNFIELDS, FINDS	Lower	2367, 0.448, NNW
J41	PENINSULA VENTURES	7TH AND INDUSTRIAL S	DE BROWNFIELDS	Lower	2370, 0.449, NNW
F42	PORT OF WILMINGTON,	GIST ROAD	DE LUST	Lower	2437, 0.462, South
H43	FORMER NEW ARC WELDI	30 COMMERCE STREET	DE BROWNFIELDS	Lower	2445, 0.463, NW
H44	COATINGS INC	30 COMMERCE ST	DE SHWS, DE VCP, DE AIRS, DE TIER 2	Lower	2445, 0.463, NW
G45	BUCKEYE PORT WILMING	1050 CHRISTIANA AVEN	DE LAST, DE SPILLS	Lower	2467, 0.467, SW
G46	SICO BULK FACILITY,	1050 CHRISTINA AVENU	DE LUST	Lower	2467, 0.467, SW
G47	BUCKEYE TERMINALS, L	1050 CHRISTINA AVENU	SEMS-ARCHIVE, RCRA-SQG, FINDS, NY MANIFEST	Lower	2467, 0.467, SW
G48	721 TERMINAL AVENUE	721 TERMINAL AVENUE	DE SHWS, DE BROWNFIELDS	Lower	2492, 0.472, SW
K49	WATER POLLUTION CONT	EAST 12TH STREET & H	DE LUST	Lower	2540, 0.481, NNE
50	MARINA OVERLOOK	500 INDUSTRIAL STREE	DE SHWS, DE INST CONTROL, DE VCP, DE BROWNFIELDS	Lower	2544, 0.482, NNW
K51	DUPONT HAY ROAD "IRO	400 HAY ROAD	DE SHWS, DE SWF/LF, DE INST CONTROL, DE VCP	Lower	2561, 0.485, NNE
L52	INSTEEL WIRE PRODUCT	800 NEW CASTLE AVENU	DE LUST, DE UST, DE AIRS, DE ENF, DE TIER 2	Lower	2572, 0.487, West
L53	FORBES STEEL AND WIR	NEW YORK AND NEW CAS	SEMS-ARCHIVE, RCRA-VSQG, FINDS, ECHO, NY MANIFEST	Lower	2572, 0.487, West
54	FORMERLY STRAIGHT LI	CHRISTIANA AVENUE &	DE LUST	Lower	2584, 0.489, SW
M55	PORT OF WILMINGTON	1 HAUSEL ROAD	DE LUST, DE ENF	Lower	2603, 0.493, SSW
M56	PORT OF WILMINGTON	1 HAUSEL RD	DE LUST, DE SPILLS, DE AIRS, DE NPDES, DE TIER 2	Lower	2603, 0.493, SSW
M57	PORT OF WILMINGTON	1 HAUSEL ROAD	DE VCP	Lower	2603, 0.493, SSW
58	CABEAN SQUARE	BRADFORD & A STREET	DE INST CONTROL, DE VCP	Lower	2631, 0.498, WNW
59	TERMINAL AVENUE WIDE	TERMINAL AVENUE	DE VCP	Lower	2634, 0.499, SW
60	VETS WELDING/EAST 7T	800 INDUSTRIAL STREE	DE SHWS	Lower	2672, 0.506, NNW
N61	B STREET PACK & PROC	1400 B STREET	DE SHWS	Lower	2700, 0.511, WNW
N62	B STREET PACK & PROC	1400 B STREET	DE SHWS	Lower	2700, 0.511, WNW
N63	B STREET PACK & PROC	600/610 AND 620 BRAD	DE SHWS, DE INST CONTROL, DE BROWNFIELDS	Lower	2700, 0.511, WNW
64	TRI-STATE E. 7TH STR	INDUSTRIAL STREET &	DE SHWS	Lower	2708, 0.513, NNW
65	PENINSULA PARK LLC	INDUSTRIAL STREET	DE SHWS, DE INST CONTROL, DE VCP	Lower	2757, 0.522, NNW
O66	COMMERCE STREET	COMMERCE STREET	DE SHWS	Lower	2907, 0.551, NW
O67	DCI PROPERTY	COMMERCE STREET	DE SHWS	Lower	2907, 0.551, NW
68	35 COMMERCE STREET S	35 COMMERCE STREET	DE SHWS, DE BROWNFIELDS	Lower	2946, 0.558, NW
N69	512 SOUTH CLAYMONT P	512 SOUTH CLAYMONT S	DE SHWS, DE BROWNFIELDS	Lower	2957, 0.560, WNW
70	560 TERMINAL AVENUE	560 TERMINAL AVENUE	DE SHWS, DE INST CONTROL, DE VCP, DE BROWNFIELDS	Lower	2968, 0.562, WSW
71	WILMINGTON NATIONAL		FUDS	Lower	2980, 0.564, West
72	SIEMENS INDUSTRY, IN	1020 CHRISTINA AVE	DE SHWS, DE TIER 2	Lower	3052, 0.578, SW
73	EAST 7TH ST PENINSUL	7TH STREET	DE SHWS	Lower	3148, 0.596, NNW
74	FORMER AMERICAN SCRA	20 COMMERCE STREET	DE SHWS, DE BROWNFIELDS	Lower	3159, 0.598, NW
75	1320 E. 8TH STREET S	1320 E. 8TH STREET	DE SHWS, DE BROWNFIELDS	Lower	3163, 0.599, NNW
76	NEW CASTLE AVENUE AN	501-509 NEW CASTLE A	DE SHWS, DE INST CONTROL	Lower	3197, 0.605, WNW
P77	SOUTHBRIDGE GATEWAY	210 SOUTH HEALD STRE	DE SHWS	Lower	3212, 0.608, WNW

MAPPED SITES SUMMARY

Target Property Address:
1706 E 12TH STREET
WILMINGTON, DE 19801

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
P78	DIAMOND OIL - PRE RE	HEALD STREET & LOBDE	DE SHWS, DE INST CONTROL, DE VCP	Lower	3291, 0.623, WNW
Q79	PORT PROPERTIES II	700 NEW CASTLE AVENU	DE SHWS, DE TIER 2	Lower	3408, 0.645, West
R80	DELCHEM	1400 E. 12TH STREET	DE SHWS, DE VCP, DE BROWNFIELDS, DE TIER 2	Lower	3433, 0.650, NNW
R81	DIAMOND STATE FOUNDR	1400 EAST 12TH STREE	DE SHWS	Lower	3433, 0.650, NNW
82	518 SOUTH HEALD STRE	518 SOUTH HEALD STRE	DE SHWS, DE BROWNFIELDS	Lower	3437, 0.651, WNW
Q83	FORMER MORHEAT COAL	723 NEW CASTLE AVENU	DE SHWS, DE BROWNFIELDS	Lower	3448, 0.653, West
84	CONSOLIDATED FABRICA	900/901 GREEN STREET	DE SHWS, DE INST CONTROL, DE BROWNFIELDS	Lower	3542, 0.671, West
85	A AND TOWNSEND STREE	1017, 1019, 1021 A S	DE SHWS, DE INST CONTROL	Lower	3615, 0.685, WNW
S86	KAISER YACHT PROPERT	1122 E. 7TH STREET	DE SHWS	Lower	3755, 0.711, NW
87	PACK AND PROCESS	1101 EAST 8TH STREET	DE SHWS, DE INST CONTROL	Lower	3793, 0.718, NW
S88	KALMAR NYCKEL CHALLE	1120 AND 1112 EAST 7	DE SHWS, DE INST CONTROL, DE BROWNFIELDS	Lower	3877, 0.734, NW
89	MAFFETT 12TH STREET	1330 12TH STREET	DE SHWS, DE VCP	Lower	3890, 0.737, NNW
90	WHITE'S BODY SHOP	S BUTTONWOOD AND B S	DE SHWS	Lower	3902, 0.739, WNW
91	ELBERT PARK	621 TOWNSEND STREET	DE SHWS	Lower	3914, 0.741, WNW
T92	900 A STREET	900 A STREET	DE SHWS	Lower	3994, 0.756, WNW
93	12TH STREET ASSOCIAT	1200 EAST 12TH STREE	DE SHWS	Lower	4029, 0.763, NNW
T94	APPLIED TECHNOLOGY I	800 "A" ST	SEMS-ARCHIVE, RCRA-TSDF, DE SHWS, RCRA NonGen /...	Lower	4188, 0.793, WNW
95	1610/0 BOWERS STREET	1610 & 0 BOWERS STRE	DE SHWS	Lower	4208, 0.797, North
U96	7TH STREET AND SWEDE	7TH STREET & SWEDES	DE SHWS	Lower	4237, 0.802, NW
97	FORMER RUSSELL STANL	1204 12TH STREET	DE SHWS, DE VCP, DE BROWNFIELDS	Lower	4244, 0.804, NNW
98	1001 NEW CASTLE AVE	1001 NEW CASTLE AVE	DE SHWS	Lower	4252, 0.805, West
U99	KEMPF STORAGE SITE	1101 EAST 7TH STREET	DE SHWS, DE AST, DE INST CONTROL, DE BROWNFIELDS	Lower	4270, 0.809, NW
100	RIVERSIDE HOSPITAL	LEA BLVD. & FRANKLIN	DE SHWS, MLTS	Lower	4271, 0.809, NNW
V101	726 A ST.	726 A STREET	DE SHWS	Lower	4347, 0.823, WNW
102	CHRISTINA PARK	100 NORTH CHURCH STR	DE SHWS, DE INST CONTROL	Lower	4369, 0.827, WNW
103	J.T. WARD AND SONS C	800 SOUTH CHURCH STR	DE SHWS, DE LUST	Lower	4461, 0.845, WNW
104	AMTRAK WILMINGTON MA	4001 VANDEVER AVENUE	DE SHWS, DE LUST, DE SPILLS, DE AIRS, DE NPDES	Lower	4480, 0.848, North
V105	700 A STREET SITE	700 A STREET	DE SHWS, DE LUST, DE BROWNFIELDS	Lower	4530, 0.858, WNW
106	900 S HEALD STREET	900 SOUTH HEALD STRE	DE SHWS, DE BROWNFIELDS	Lower	4533, 0.859, West
W107	DELAWARE HUMANE ASSO	701 A STREET	DE SHWS, DE INST CONTROL, DE BROWNFIELDS, DE AIRS	Lower	4571, 0.866, WNW
108	1001 GARASCHES LANE	1001 GARASCHES LANE	DE SHWS, DE INST CONTROL, DE BROWNFIELDS	Lower	4623, 0.876, West
W109	A STREET BROWNFIELD	A STREET	DE SHWS	Lower	4695, 0.889, WNW
X110	12TH AND BRANDYWINE	12TH AND BRANDYWINE	DE SHWS, DE BROWNFIELDS	Lower	4696, 0.889, NNW
111	PUSEY AND JONES SHIP	FRONT STREET	DE SHWS	Lower	4748, 0.899, WNW
Y112	PURE GREEN INDUSTRIE	1620 BOWERS STREET	DE SHWS, DE INST CONTROL, DE VCP	Lower	4752, 0.900, North
Y113	PURE GREEN INDUSTRIE	1620 BOWERS STREET	DE SHWS, DE ENF	Lower	4752, 0.900, North
114	WILMINGTON SOCCER FI	615 S. CHURCH STREET	DE SHWS, DE NPDES	Lower	4801, 0.909, WNW
X115	ROGERS & HEALD	1161 SOUTH HEALD STR	DE SHWS	Lower	4811, 0.911, NNW
116	SERVICE TRANSPORT GR	58 PYLES LANE	DE SHWS, DE SWF/LF, DE LUST, DE AST, DE AIRS, DE...	Lower	4967, 0.941, SW

MAPPED SITES SUMMARY

Target Property Address:
1706 E 12TH STREET
WILMINGTON, DE 19801

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
117	0 MILLER RD. REFERRA	0 MILLER ROAD	DE SHWS, DE INST CONTROL, DE BROWNFIELDS, DE NPDES	Lower	4969, 0.941, WSW
Z118	FORMER DELMAR NEWS	809 TAYLOR STREET	DE SHWS	Lower	4989, 0.945, NW
119	1000 EAST 12TH STREE	1000 EAST 12TH STREE	DE SHWS, DE BROWNFIELDS	Lower	4993, 0.946, NNW
AA120	WIL-SOUTH WILMINGTON	801 GARASCHES LANE	DE SHWS, DE TIER 2	Lower	4996, 0.946, West
AB121	600 A STREET PROPERT	600 A STREET	DE SHWS, DE LUST, DE INST CONTROL, DE BROWNFIELDS	Lower	5000, 0.947, WNW
122	CHRISTINA AVENUE SOU	OFF ROUTE 9	DE SHWS	Lower	5040, 0.955, SSW
123	SALVAGE YARD RELOCAT		DE SHWS	Lower	5113, 0.968, NNE
124	SOUTH WILMINGTON MAR	GARACHES LANE, WALNU	DE SHWS, DE INST CONTROL	Lower	5132, 0.972, WNW
Z125	829 NORTH CHURCH STR	829 NORTH CHURCH STR	DE SHWS	Higher	5148, 0.975, NW
126	501 EAST FRONT STREE	501 EAST FRONT STREE	DE SHWS, DE BROWNFIELDS	Lower	5155, 0.976, WNW
AA127	FIBRE PROCESSING	GARACHES LN & S CHUR	SEMS-ARCHIVE, DE SHWS, DE INST CONTROL	Lower	5161, 0.977, West
AB128	510 A STREET	510 A STREET	DE SHWS, DE INST CONTROL	Lower	5162, 0.978, WNW
129	501 A STREET	501 A STREET	DE SHWS, DE INST CONTROL, DE BROWNFIELDS, DE NPDES	Lower	5200, 0.985, WNW
Z130	DUFFYS HOPE GARDEN	859 NORTH CHURCH STR	DE SHWS	Lower	5231, 0.991, NW
131	WILMINGTON ROLLING M	1020 NORTH CHURCH ST	DE SHWS, DE LUST, DE UST, DE INST CONTROL	Lower	5244, 0.993, NNW
132	HAMILTON PARK/PYLES		DE SHWS	Lower	5248, 0.994, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
GATE 2 PAVEMENT IMPR 1706 EAST 12TH STREE WILMINGTON, DE 19809	FINDS Registry ID:: 110054583107	N/A
PHASES I/II LANDFILL 1706 EAST 12TH STREE WILMINGTON, DE 19809	FINDS Registry ID:: 110054502560	N/A
DSWA NORTHERN SW MAN 1706 EAST 12TH STREE WILMINGTON, DE 19809	FINDS Registry ID:: 110054404257	N/A
CHERRY ISLAND RENEWA 1706 EAST 12TH STREE WILMINGTON, DE 19809	DE AIRS Facility Id: 10705604 DE ENF DE UIC Permit Num: 5X26-07-07N	N/A
CHERRY ISLAND LANDFI 1706 EAST 12TH STREE WILMINGTON, DE 19809	DE AST Prog Id: 7-000481 Prog Id: 7-000482 Prog Id: 7-000537 Facility Id: 10705604	N/A
DELAWARE SOLID WASTE 1706 EAST 12TH STREE WILMINGTON, DE 19809	ICIS FRS ID:: 110007354308 US AIRS Database: US AIRS (AFS), Date of Government Version: 10/12/2016 EPA plant ID:: 110007354308	N/A
CHERRY ISLAND RENEWA 1706 E 12TH STREET WILMINGTON, DE 19809	ICIS FRS ID:: 110007354308 FINDS Registry ID:: 110054416280	N/A
DSWA CHERRY ISLAND L 1706 EAST 12TH STREE WILMINGTON, DE 19809	RCRA-VSQG EPA ID:: DEN201500028 FINDS	DEN201500028

	Registry ID:: 110066946522 ECHO Registry ID: 110066946522	
DELAWARE SOLID WASTE 1706 E 12TH ST WILMINGTON, DE 19809	DE SWF/LF Facility Id: 10705604 DE TIER 2	N/A
DE SOLID WASTE AUTHO 1706 E 12TH STREET WILMINGTON, DE 19809	FINDS Registry ID:: 110007354308 ECHO Registry ID: 110007354308	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state and tribal leaking storage tanks

INDIAN LUST - Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST - Underground Storage Tank Listing
INDIAN UST - Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP - Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

DE SWRCY - Recyclers Directory
INDIAN ODI - Report on the Status of Open Dumps on Indian Lands
ODI - Open Dump Inventory
DEBRIS REGION 9 - Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS - Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL - Delisted National Clandestine Laboratory Register
US CDL - National Clandestine Laboratory Register
DE PFAS - PFAS Information Listing

Local Land Records

LIENS 2 - CERCLA Lien Information

Records of Emergency Release Reports

HMIRS - Hazardous Materials Information Reporting System

Other Ascertainable Records

DOD - Department of Defense Sites
SCRD DRYCLEANERS - State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR - Financial Assurance Information
EPA WATCH LIST - EPA WATCH LIST
2020 COR ACTION - 2020 Corrective Action Program List
TSCA - Toxic Substances Control Act
TRIS - Toxic Chemical Release Inventory System
SSTS - Section 7 Tracking Systems
RMP - Risk Management Plans
RAATS - RCRA Administrative Action Tracking System
PADS - PCB Activity Database System
FTTS - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
COAL ASH DOE - Steam-Electric Plant Operation Data

COAL ASH EPA - Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER - PCB Transformer Registration Database
RADINFO - Radiation Information Database
HIST FTTS - FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS - Incident and Accident Data
INDIAN RESERV - Indian Reservations
FUSRAP - Formerly Utilized Sites Remedial Action Program
UMTRA - Uranium Mill Tailings Sites
LEAD SMELTERS - Lead Smelter Sites
US MINES - Mines Master Index File
ABANDONED MINES - Abandoned Mines
UXO - Unexploded Ordnance Sites
DOCKET HWC - Hazardous Waste Compliance Docket Listing
FUELS PROGRAM - EPA Fuels Program Registered Listing
DE DRYCLEANERS - Drycleaner Facility Listing
MINES MRDS - Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants
EDR Hist Auto - EDR Exclusive Historical Auto Stations
EDR Hist Cleaner - EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

DE RGA HWS - Recovered Government Archive State Hazardous Waste Facilities List
DE RGA LF - Recovered Government Archive Solid Waste Facilities List
DE RGA LUST - Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

EXECUTIVE SUMMARY

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/20/2021 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HALBY CHEMICAL CO. Cerclis ID:: 300125 EPA Id: DED980830954	***600 TERMINAL AVE***	***WSW 1/4 - 1/2 (0.413 mi.)***	***0***	***82***

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 10/20/2021 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HALBY CHEMICAL CO. Site ID: 0300125 EPA Id: DED980830954	***600 TERMINAL AVE***	***WSW 1/4 - 1/2 (0.413 mi.)***	***0***	***82***

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/20/2021 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EAST 7TH STREET DRUM	***7TH ST. PENINSULA***	***NNW 1/4 - 1/2 (0.360 mi.)***	***E28***	***137***
BUCKEYE TERMINALS, L	***1050 CHRISTINA AVENU***	***SW 1/4 - 1/2 (0.467 mi.)***	***G47***	***167***

Site ID: 0300076
EPA Id: DED073750796

FORBES STEEL AND WIR	***NEW YORK AND NEW CAS***	***W 1/4 - 1/2 (0.487 mi.)***	***L53***	***222***

Site ID: 0300050
EPA Id: DED004321212

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 08/23/2021 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HALBY CHEMICAL CO.	***600 TERMINAL AVE***	***WSW 1/4 - 1/2 (0.413 mi.)***	***0***	***82***

EPA ID:: DED980830954
EPA ID:: DED980830954

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 08/23/2021 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HALBY CHEMICAL CO.	***600 TERMINAL AVE***	***WSW 1/4 - 1/2 (0.413 mi.)***	***0***	***82***

EPA ID:: DED980830954

Lists of state- and tribal hazardous waste facilities

DE SHWS: Hazardous Substance Release Sites.

A review of the DE SHWS list, as provided by EDR, and dated 08/09/2021 has revealed that there are 89 DE SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
829 NORTH CHURCH STR	829 NORTH CHURCH STR	NW 1/2 - 1 (0.975 mi.)	Z125	487

Facility Id: 10355357
Prog ID: DE-1446

Lower Elevation	Address	Direction / Distance	Map ID	Page
UP THE CREEK RESTAUR	***1195 EAST 7TH STREET***	***NNW 1/8 - 1/4 (0.218 mi.)***	***B15***	***113***

Facility Id: 10153131

Prog ID: DE-1384				
DP&L SUBSTATION/ DUP Facility Id: 10056264 Prog ID: DE-1074	SOUTH WILMINGTON	WNW 1/8 - 1/4 (0.233 mi.)	16	114
CITY OF WILM. MARINE Facility Id: 10056569 Prog ID: DE-0099	***TERMINAL AVENUE***	***SSE 1/4 - 1/2 (0.277 mi.)***	***17***	***114***
SALVAGE YARD RELOCAT Facility Id: 10056509 Prog ID: DE-1166	0 I-495 NB	N 1/4 - 1/2 (0.280 mi.)	20	121
EAST 7TH ST PENINSUL Facility Id: 10056529 Prog ID: DE-1127	7TH STREET	NNW 1/4 - 1/2 (0.309 mi.)	22	125
1190 E. 7TH ST Facility Id: 10154212 Prog ID: DE-1410	***1190 EAST 7TH STREET***	***NNW 1/4 - 1/2 (0.327 mi.)***	***27***	***136***
DP&L/ CONGO MARSH Facility Id: 10056263 Prog ID: DE-1073	CHRISTINA AVENUE	WNW 1/4 - 1/2 (0.362 mi.)	D29	140
PENINSULA VENTURES Facility Id: 10056350 Prog ID: DE-1294	***1170, 1155, 1145 EAS***	***NNW 1/4 - 1/2 (0.368 mi.)***	***E30***	***141***
EAST 7TH ST PENINSUL Facility Id: 10056529 Prog ID: DE-1148	EAST 7TH STREET PENI	NNW 1/4 - 1/2 (0.382 mi.)	E31	143
FORMER STRAIGHT LINE Facility Id: 10374236 Prog ID: DE-1488	***701 CHRISTINA AVENUE***	***SW 1/4 - 1/2 (0.423 mi.)***	***G33***	***145***
EASTSIDE/SOUTH WILMI Facility Id: 10056571 Prog ID: DE-1052	***CHRISTINA AVENUE***	***NW 1/4 - 1/2 (0.436 mi.)***	***H36***	***149***
HALBY CHEMICAL Facility Id: 10054300 Prog ID: DE-0067	***600 TERMINAL AVENUE***	***WSW 1/4 - 1/2 (0.442 mi.)***	***I37***	***151***
NRDA HALBY Facility Id: 10056197 Prog ID: DE-1191		WSW 1/4 - 1/2 (0.442 mi.)	I38	152
COATINGS INC Facility Id: 10058799 Prog ID: DE-1345	***30 COMMERCE ST***	***NW 1/4 - 1/2 (0.463 mi.)***	***H44***	***157***
721 TERMINAL AVENUE Facility Id: 10715218 Prog ID: DE-1558	***721 TERMINAL AVENUE***	***SW 1/4 - 1/2 (0.472 mi.)***	***G48***	***195***
MARINA OVERLOOK Facility Id: 10024821 Facility Id: 10057748 Prog ID: DE-1293 Prog ID: DE-1328 Prog ID: DE-1328 OU-1	***500 INDUSTRIAL STREE***	***NNW 1/4 - 1/2 (0.482 mi.)***	***50***	***198***

Prog ID: DE-1328 OU-2				
DUPONT HAY ROAD "IRO	***400 HAY ROAD***	***NNE 1/4 - 1/2 (0.485 mi.)***	***K51***	***205***
Facility Id: 10056587 Facility Id: 10063629 Prog ID: DE-0026 Prog ID: DE-1380				
VETS WELDING/EAST 7T	800 INDUSTRIAL STREE	NNW 1/2 - 1 (0.506 mi.)	60	302
Facility Id: 10056123 Prog ID: DE-1254				
B STREET PACK & PROC	1400 B STREET	WNW 1/2 - 1 (0.511 mi.)	N61	303
Facility Id: 10284592 Prog ID: DE-1442 OU-2				
B STREET PACK & PROC	1400 B STREET	WNW 1/2 - 1 (0.511 mi.)	N62	304
Facility Id: 10284592 Prog ID: DE-1442 OU-1				
B STREET PACK & PROC	***600/610 AND 620 BRAD***	***WNW 1/2 - 1 (0.511 mi.)***	***N63***	***304***
Facility Id: 10284592 Prog ID: DE-1442				
TRI-STATE E. 7TH STR	INDUSTRIAL STREET &	NNW 1/2 - 1 (0.513 mi.)	64	306
Facility Id: 10056206 Prog ID: DE-1216				
PENINSULA PARK LLC	***INDUSTRIAL STREET***	***NNW 1/2 - 1 (0.522 mi.)***	***65***	***307***
Facility Id: 10056420 Prog ID: DE-1147				
COMMERCE STREET	COMMERCE STREET	NW 1/2 - 1 (0.551 mi.)	O66	312
Facility Id: 10056575 Prog ID: DE-1072				
DCI PROPERTY	COMMERCE STREET	NW 1/2 - 1 (0.551 mi.)	O67	314
Prog ID: DE-1104				
35 COMMERCE STREET S	***35 COMMERCE STREET***	***NW 1/2 - 1 (0.558 mi.)***	***68***	***315***
Facility Id: 10760885 Prog ID: DE-1734				
512 SOUTH CLAYMONT P	***512 SOUTH CLAYMONT S***	***WNW 1/2 - 1 (0.560 mi.)***	***N69***	***316***
Facility Id: 10148585 Prog ID: DE-0326 Prog ID: DE-1386				
560 TERMINAL AVENUE	***560 TERMINAL AVENUE***	***WSW 1/2 - 1 (0.562 mi.)***	***70***	***318***
Facility Id: 10056428 Prog ID: DE-1123				
SIEMENS INDUSTRY, IN	***1020 CHRISTINA AVE***	***SW 1/2 - 1 (0.578 mi.)***	***72***	***321***
Facility Id: 10163537 Prog ID: DE-1431				
EAST 7TH ST PENINSUL	7TH STREET	NNW 1/2 - 1 (0.596 mi.)	73	326
Facility Id: 10056529 Prog ID: DE-1128				
FORMER AMERICAN SCRA	***20 COMMERCE STREET***	***NW 1/2 - 1 (0.598 mi.)***	***74***	***328***
Facility Id: 10006309 Prog ID: DE-1131				
1320 E. 8TH STREET S	***1320 E. 8TH STREET***	***NNW 1/2 - 1 (0.599 mi.)***	***75***	***329***

Facility Id: 10749507 Prog ID: DE-1689				
NEW CASTLE AVENUE AN Facility Id: 10149809 Prog ID: DE-1396	***501-509 NEW CASTLE A***	***WNW 1/2 - 1 (0.605 mi.)***	***76***	***330***
SOUTHBRIDGE GATEWAY Facility Id: 10056622 Prog ID: DE-0312	210 SOUTH HEALD STRE	WNW 1/2 - 1 (0.608 mi.)	P77	331
DIAMOND OIL - PRE RE Facility Id: 10026113 Prog ID: DE-1112	***HEALD STREET & LOBDE***	***WNW 1/2 - 1 (0.623 mi.)***	***P78***	***332***
PORT PROPERTIES II Facility Id: 10396416 Prog ID: DE-1507	***700 NEW CASTLE AVENU***	***W 1/2 - 1 (0.645 mi.)***	***Q79***	***337***
DELCHEM Facility Id: 10056462 Prog ID: DE-0174	***1400 E. 12TH STREET***	***NNW 1/2 - 1 (0.650 mi.)***	***R80***	***352***
DIAMOND STATE FOUNDR Facility Id: 10164087 Prog ID: DE-1144	1400 EAST 12TH STREE	NNW 1/2 - 1 (0.650 mi.)	R81	388
518 SOUTH HEALD STRE Facility Id: 10749502 Prog ID: DE-1688	***518 SOUTH HEALD STRE***	***WNW 1/2 - 1 (0.651 mi.)***	***82***	***389***
FORMER MORHEAT COAL Facility Id: 10727024 Prog ID: DE-1613	***723 NEW CASTLE AVENU***	***W 1/2 - 1 (0.653 mi.)***	***Q83***	***392***
CONSOLIDATED FABRICA Facility Id: 10363860 Prog ID: DE-1462	***900/901 GREEN STREET***	***W 1/2 - 1 (0.671 mi.)***	***84***	***393***
A AND TOWNSEND STREE Facility Id: 10356622 Prog ID: DE-1450	***1017, 1019, 1021 A S***	***WNW 1/2 - 1 (0.685 mi.)***	***85***	***394***
KAISER YACHT PROPERT Facility Id: 10716503 Prog ID: DE-1563	1122 E. 7TH STREET	NW 1/2 - 1 (0.711 mi.)	S86	395
PACK AND PROCESS Facility Id: 10149954 Facility Id: 10152500 Facility Id: 10156217 Prog ID: DE-1397 Prog ID: DE-1408 Prog ID: DE-1421	***1101 EAST 8TH STREET***	***NW 1/2 - 1 (0.718 mi.)***	***87***	***396***
KALMAR NYCKEL CHALLE Facility Id: 10380737 Prog ID: DE-0339	***1120 AND 1112 EAST 7***	***NW 1/2 - 1 (0.734 mi.)***	***S88***	***400***
MAFFETT 12TH STREET Facility Id: 10056524 Facility Id: 10056526 Prog ID: DE-0294 Prog ID: DE-0305	***1330 12TH STREET***	***NNW 1/2 - 1 (0.737 mi.)***	***89***	***403***
WHITE'S BODY SHOP	S BUTTONWOOD AND B S	WNW 1/2 - 1 (0.739 mi.)	90	406

Facility Id: 10753831 Prog ID: DE-1702				
ELBERT PARK Facility Id: 10057698 Prog ID: DE-1327	621 TOWNSEND STREET	WNW 1/2 - 1 (0.741 mi.)	91	407
900 A STREET Facility Id: 10058831 Prog ID: DE-1346	900 A STREET	WNW 1/2 - 1 (0.756 mi.)	T92	409
12TH STREET ASSOCIAT Facility Id: 10164087 Prog ID: DE-1222	1200 EAST 12TH STREE	NNW 1/2 - 1 (0.763 mi.)	93	409
APPLIED TECHNOLOGY I Facility Id: 10051419 Prog ID: DE-0187	***800 "A" ST***	***WNW 1/2 - 1 (0.793 mi.)***	***T94***	***410***
1610/0 BOWERS STREET Facility Id: 10280236 Prog ID: DE-1440	1610 & 0 BOWERS STRE	N 1/2 - 1 (0.797 mi.)	95	420
7TH STREET AND SWEDE Prog ID: DE-1436	7TH STREET & SWEDES	NW 1/2 - 1 (0.802 mi.)	U96	420
FORMER RUSSELL STANL Facility Id: 10056809 Prog ID: DE-1300	***1204 12TH STREET***	***NNW 1/2 - 1 (0.804 mi.)***	***97***	***421***
1001 NEW CASTLE AVE Facility Id: 10729592 Prog ID: DE-0369	1001 NEW CASTLE AVE	W 1/2 - 1 (0.805 mi.)	98	423
KEMPF STORAGE SITE Facility Id: 10366876 Prog ID: DE-1481	***1101 EAST 7TH STREET***	***NW 1/2 - 1 (0.809 mi.)***	***U99***	***424***
RIVERSIDE HOSPITAL Facility Id: 10056572 Prog ID: DE-1053	***LEA BLVD. & FRANKLIN***	***NNW 1/2 - 1 (0.809 mi.)***	***100***	***426***
726 A ST. Facility Id: 10725835 Prog ID: DE-1606	726 A STREET	WNW 1/2 - 1 (0.823 mi.)	V101	428
CHRISTINA PARK Facility Id: 10002094 Prog ID: DE-0300	***100 NORTH CHURCH STR***	***WNW 1/2 - 1 (0.827 mi.)***	***102***	***429***
J.T. WARD AND SONS C Facility Id: 10023790 Prog ID: DE-1179	***800 SOUTH CHURCH STR***	***WNW 1/2 - 1 (0.845 mi.)***	***103***	***430***
AMTRAK WILMINGTON MA Facility Id: 10000007 Prog ID: DE-0170	***4001 VANDEVER AVENUE***	***N 1/2 - 1 (0.848 mi.)***	***104***	***432***
700 A STREET SITE Facility Id: 10058173 Prog ID: DE-1340	***700 A STREET***	***WNW 1/2 - 1 (0.858 mi.)***	***V105***	***442***
900 S HEALD STREET Facility Id: 10766691 Prog ID: DE-1760	***900 SOUTH HEALD STRE***	***W 1/2 - 1 (0.859 mi.)***	***106***	***445***
DELAWARE HUMANE ASSO	***701 A STREET***	***WNW 1/2 - 1 (0.866 mi.)***	***W107***	***446***

Facility Id: 10054412 Prog ID: DE-1376				
1001 GARASCHES LANE Facility Id: 10714358 Prog ID: DE-1556	***1001 GARASCHES LANE***	***W 1/2 - 1 (0.876 mi.)***	***108***	***449***
A STREET BROWNFIELD Facility Id: 10722325 Prog ID: DE-0364	A STREET	WNW 1/2 - 1 (0.889 mi.)	W109	450
12TH AND BRANDYWINE Facility Id: 10149359 Prog ID: DE-0328	***12TH AND BRANDYWINE***	***NNW 1/2 - 1 (0.889 mi.)***	***X110***	***452***
PUSEY AND JONES SHIP Facility Id: 10056103 Prog ID: DE-1051	FRONT STREET	WNW 1/2 - 1 (0.899 mi.)	111	454
PURE GREEN INDUSTRIE Facility Id: 10051442 Prog ID: DE-0280	***1620 BOWERS STREET***	***N 1/2 - 1 (0.900 mi.)***	***Y112***	***455***
PURE GREEN INDUSTRIE Facility Id: 10280270 Prog ID: DE-1441	***1620 BOWERS STREET***	***N 1/2 - 1 (0.900 mi.)***	***Y113***	***458***
WILMINGTON SOCCER FI Facility Id: 10056514 Prog ID: DE-1272	***615 S. CHURCH STREET***	***WNW 1/2 - 1 (0.909 mi.)***	***114***	***461***
ROGERS & HEALD Prog ID: DE-1467	1161 SOUTH HEALD STR	NNW 1/2 - 1 (0.911 mi.)	X115	464
SERVICE TRANSPORT GR Facility Id: 10052489 Prog ID: DE-1058	***58 PYLES LANE***	***SW 1/2 - 1 (0.941 mi.)***	***116***	***465***
0 MILLER RD. REFERRA Facility Id: 10149771 Prog ID: DE-1394	***0 MILLER ROAD***	***WSW 1/2 - 1 (0.941 mi.)***	***117***	***471***
FORMER DELMAR NEWS Facility Id: 10727171 Prog ID: DE-1615	809 TAYLOR STREET	NW 1/2 - 1 (0.945 mi.)	Z118	473
1000 EAST 12TH STREE Facility Id: 10151278 Prog ID: DE-1404	***1000 EAST 12TH STREE***	***NNW 1/2 - 1 (0.946 mi.)***	***119***	***474***
WIL-SOUTH WILMINGTON Facility Id: 10056522 Prog ID: DE-1273	***801 GARASCHES LANE***	***W 1/2 - 1 (0.946 mi.)***	***AA120***	***475***
600 A STREET PROPERT Facility Id: 10063794 Prog ID: DE-1383	***600 A STREET***	***WNW 1/2 - 1 (0.947 mi.)***	***AB121***	***480***
CHRISTINA AVENUE SOU Facility Id: 10056586 Prog ID: DE-1079	OFF ROUTE 9	SSW 1/2 - 1 (0.955 mi.)	122	483
SALVAGE YARD RELOCAT Facility Id: 10056500 Prog ID: DE-1165		NNE 1/2 - 1 (0.968 mi.)	123	484
SOUTH WILMINGTON MAR	***GARACHES LANE, WALNU***	***WNW 1/2 - 1 (0.972 mi.)***	***124***	***486***

Prog ID: DE-1337				
501 EAST FRONT STREE	***501 EAST FRONT STREE***	***WNW 1/2 - 1 (0.976 mi.)***	***126***	***488***
Facility Id: 10750321				
Prog ID: DE-1693				
FIBRE PROCESSING	***GARACHES LN & S CHUR***	***W 1/2 - 1 (0.977 mi.)***	***AA127***	***489***
Facility Id: 10054499				
Prog ID: DE-0032				
510 A STREET	***510 A STREET***	***WNW 1/2 - 1 (0.978 mi.)***	***AB128***	***491***
Facility Id: 10729418				
Prog ID: DE-1626				
501 A STREET	***501 A STREET***	***WNW 1/2 - 1 (0.985 mi.)***	***129***	***492***
Facility Id: 10364725				
Prog ID: DE-1530				
DUFFYS HOPE GARDEN	859 NORTH CHURCH STR	NW 1/2 - 1 (0.991 mi.)	Z130	494
Facility Id: 10398826				
Prog ID: DE-0353				
WILMINGTON ROLLING M	***1020 NORTH CHURCH ST***	***NNW 1/2 - 1 (0.993 mi.)***	***131***	***496***
Facility Id: 10026808				
Prog ID: DE-1198				
HAMILTON PARK/PYLES		WSW 1/2 - 1 (0.994 mi.)	132	500
Facility Id: 10355215				
Prog ID: DE-1284				

Lists of state and tribal landfills and solid waste disposal facilities

DE SWF/LF: Solid Waste Facilities.

A review of the DE SWF/LF list, as provided by EDR, and dated 06/23/2021 has revealed that there are 2 DE SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPILL LOCATION	***601 CHRISTIANA AVE***	***WSW 1/4 - 1/2 (0.322 mi.)***	***24***	***127***
Facility Id: 10163251				
DUPONT HAY ROAD "IRO	***400 HAY ROAD***	***NNE 1/4 - 1/2 (0.485 mi.)***	***K51***	***205***
Facility Id: 10056587				

Lists of state and tribal leaking storage tanks

DE LAST: The Leaking Aboveground Storage Tanks database.

A review of the DE LAST list, as provided by EDR, and dated 07/12/2021 has revealed that there is 1 DE LAST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BUCKEYE PORT WILMING	***1050 CHRISTIANA AVEN***	***SW 1/4 - 1/2 (0.467 mi.)***	***G45***	***163***
Facility Id: 10375385				

Prog ID: 7-000125

DE LUST: Leaking Underground Storage Tanks - Active/Inactivated Sites.

A review of the DE LUST list, as provided by EDR, and dated 07/12/2021 has revealed that there are 9 DE LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER NASCO BLDG. Closure: 11/07/1996 Facility Id: 10025308 Prog ID: 3-001740 Status: Inactive	FOOT OF CHRISTIANA A	SW 1/4 - 1/2 (0.317 mi.)	23	126
GEORGIA PACIFIC Closure: 01/20/1994 Facility Id: 10153008 Prog ID: 3-000314 Status: Inactive	TERMINAL AVENUE	SSW 1/4 - 1/2 (0.442 mi.)	39	153
PORT OF WILMINGTON, Closure: 10/22/1999 Facility Id: 10153008 Prog ID: 3-002022 Status: Inactive	GIST ROAD	S 1/4 - 1/2 (0.462 mi.)	F42	156
SICO BULK FACILITY, Closure: 09/20/1995 Closure: 07/03/1996 Closure: 10/12/2001 Facility Id: 10375385 Prog ID: 9-000054 Prog ID: 3-000377 Status: Inactive	1050 CHRISTINA AVENU	SW 1/4 - 1/2 (0.467 mi.)	G46	165
WATER POLLUTION CONT Closure: 01/26/1994 Closure: 12/14/1999 Facility Id: 10024240 Prog ID: 3-000596 Status: Inactive	EAST 12TH STREET & H	NNE 1/4 - 1/2 (0.481 mi.)	K49	196
INSTEEL WIRE PRODUCT Closure: 12/29/1993 Closure: 08/15/2007 Facility Id: 10023833 Prog ID: 3-000174 Status: Cross-referenced Status: Inactive	***800 NEW CASTLE AVENU***	***W 1/4 - 1/2 (0.487 mi.)***	***L52***	***209***
FORMERLY STRAIGHT LI Closure: 05/10/1991 Closure: 03/13/1992 Facility Id: 10024825 Prog ID: 3-001210 Status: Inactive	CHRISTIANA AVENUE &	SW 1/4 - 1/2 (0.489 mi.)	54	250
PORT OF WILMINGTON	***1 HAUSEL ROAD***	***SSW 1/4 - 1/2 (0.493 mi.)***	***M55***	***251***

Closure: 07/21/1994
Closure: 09/25/1992
Closure: 05/22/1995
Closure: 01/15/1995
Facility Id: 10153008
Prog ID: 3-000589
Status: Inactive

PORT OF WILMINGTON	***1 HAUSEL RD***	***SSW 1/4 - 1/2 (0.493 mi.)***	***M56***	***254***

Closure: 08/20/2008
Facility Id: 10153008
Prog ID: 3-000589
Status: Inactive

Lists of state and tribal registered storage tanks

DE AST: Facilities with aboveground storage tanks.

A review of the DE AST list, as provided by EDR, and dated 06/23/2021 has revealed that there is 1 DE AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RIVER ASSOCIATES (FO	1195 EAST 7TH STREET	NNW 1/8 - 1/4 (0.218 mi.)	B13	107

Prog Id: 7-000496
Facility Id: 10153131

State and tribal institutional control / engineering control registries

DE INST CONTROL: All Sites with Deed Restrictions from the Department of Natural Resources & Environmental Control.

A review of the DE INST CONTROL list, as provided by EDR, and dated 08/05/2021 has revealed that there are 10 DE INST CONTROL sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
UP THE CREEK RESTAUR	***1195 EAST 7TH STREET***	***NNW 1/8 - 1/4 (0.218 mi.)***	***B15***	***113***
Facility Id: DE-1384				
CITY OF WILM. MARINE	***TERMINAL AVENUE***	***SSE 1/4 - 1/2 (0.277 mi.)***	***17***	***114***
Facility Id: DE-0099				
POTTS PROPERTY	***I-495 & CHRISTINA AV***	***W 1/4 - 1/2 (0.290 mi.)***	***21***	***123***
Facility Id: DE-0169				
PENINSULA VENTURES	***1170, 1155, 1145 EAS***	***NNW 1/4 - 1/2 (0.368 mi.)***	***E30***	***141***
Facility Id: DE-1294				
FORMER STRAIGHT LINE	***701 CHRISTINA AVENUE***	***SW 1/4 - 1/2 (0.423 mi.)***	***G33***	***145***
Facility Id: DE-1488				
EASTSIDE/SOUTH WILMI	***CHRISTINA AVENUE***	***NW 1/4 - 1/2 (0.436 mi.)***	***H36***	***149***
Facility Id: DE-1052				
HALBY CHEMICAL	***600 TERMINAL AVENUE***	***WSW 1/4 - 1/2 (0.442 mi.)***	***I37***	***151***

Facility Id: DE-0067				
MARINA OVERLOOK	***500 INDUSTRIAL STREE***	***NNW 1/4 - 1/2 (0.482 mi.)***	***50***	***198***
Facility Id: DE-1328				
Facility Id: DE-1293				
DUPONT HAY ROAD "IRO	***400 HAY ROAD***	***NNE 1/4 - 1/2 (0.485 mi.)***	***K51***	***205***
Facility Id: DE-1380				
Facility Id: DE-0024				
Facility Id: DE-0026				
CABEAN SQUARE	***BRADFORD & A STREET***	***WNW 1/4 - 1/2 (0.498 mi.)***	***58***	***300***
Facility Id: DE-1081				

Lists of state and tribal voluntary cleanup sites

DE VCP: Voluntary Cleanup Program Sites.

A review of the DE VCP list, as provided by EDR, and dated 08/09/2021 has revealed that there are 8 DE VCP sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
POTTS PROPERTY	***I-495 & CHRISTINA AV***	***W 1/4 - 1/2 (0.290 mi.)***	***21***	***123***
Facility Id: 10053792				
Program ID: DE-0169				
PORT OF WILMINGTON W		S 1/4 - 1/2 (0.422 mi.)	F32	144
Facility Id: 10153008				
Program ID: DE-1341				
COATINGS INC	***30 COMMERCE ST***	***NW 1/4 - 1/2 (0.463 mi.)***	***H44***	***157***
Facility Id: 10058799				
Program ID: DE-1345				
MARINA OVERLOOK	***500 INDUSTRIAL STREE***	***NNW 1/4 - 1/2 (0.482 mi.)***	***50***	***198***
Facility Id: 10024821				
Facility Id: 10057748				
Program ID: DE-1293				
Program ID: DE-1328				
Program ID: DE-1328 OU-1				
Program ID: DE-1328 OU-2				
DUPONT HAY ROAD "IRO	***400 HAY ROAD***	***NNE 1/4 - 1/2 (0.485 mi.)***	***K51***	***205***
Facility Id: 10056341				
Program ID: DE-0024				
PORT OF WILMINGTON	1 HAUSEL ROAD	SSW 1/4 - 1/2 (0.493 mi.)	M57	299
Facility Id: 10730048				
Program ID: DE-1630				
CABEAN SQUARE	***BRADFORD & A STREET***	***WNW 1/4 - 1/2 (0.498 mi.)***	***58***	***300***
Facility Id: 10056383				
Program ID: DE-1081				
TERMINAL AVENUE WIDE	TERMINAL AVENUE	SW 1/4 - 1/2 (0.499 mi.)	59	301
Facility Id: 10056356				
Program ID: DE-1026				

Lists of state and tribal brownfield sites

Sites that have requested brownfields certification from the Secretary of DNREC.

A review of the DE BROWNFIELDS list, as provided by EDR, and dated 07/01/2021 has revealed that there are 7 DE BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
UP THE CREEK RESTAUR Facility Id: DE-1384	1195 E. SEVENTH STRE	NNW 1/8 - 1/4 (0.218 mi.)	B12	107
1190 E. 7TH ST Facility Id: DE-1410	***1190 EAST 7TH STREET***	***NNW 1/4 - 1/2 (0.327 mi.)***	***27***	***136***
FORMER STRAIGHT LINE Facility Id: DE-1448	701 CHRISTIANA AVENU	SW 1/4 - 1/2 (0.423 mi.)	G34	146
PENINSULA VENTURES Facility Id: DE-1294	7TH AND INDUSTRIAL S	NNW 1/4 - 1/2 (0.449 mi.)	J41	156
FORMER NEW ARC WELDI Facility Id: DE-1345	30 COMMERCE STREET	NW 1/4 - 1/2 (0.463 mi.)	H43	157
721 TERMINAL AVENUE Facility Id: DE-1558	***721 TERMINAL AVENUE***	***SW 1/4 - 1/2 (0.472 mi.)***	***G48***	***195***
MARINA OVERLOOK Facility Id: DE-1328	***500 INDUSTRIAL STREE***	***NNW 1/4 - 1/2 (0.482 mi.)***	***50***	***198***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/10/2021 has revealed that there are 7 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SALVAGE YARD RELOCAT ACRES property ID: 10196 Cleanup Completion Date: -	INTERSECTION OF 12TH	N 1/8 - 1/4 (0.177 mi.)	11	105
DP/DUPONT CHRISTINA ACRES property ID: 10249 Cleanup Completion Date: -	500 CHRISTIANA AVE	W 1/4 - 1/2 (0.278 mi.)	C18	116
DP/DUPONT CHRISTINA ACRES property ID: 10250 Cleanup Completion Date: -	***500 CHRISTIANA AVE***	***W 1/4 - 1/2 (0.278 mi.)***	***C19***	***118***
DP/CONGO MARSH-CONGO ACRES property ID: 10246 Cleanup Completion Date: -	***1599 A ST***	***WNW 1/4 - 1/2 (0.326 mi.)***	***D25***	***131***
DP/CONGO MARSH-DELMA	1599 A ST	WNW 1/4 - 1/2 (0.326 mi.)	D26	134

ACRES property ID: 10245 Cleanup Completion Date: -				
CHRISTINA AVENUE A ACRES property ID: 10252 Cleanup Completion Date: -	612 CHRISTINA AVENUE	SW 1/4 - 1/2 (0.427 mi.)	G35	146
KALMAR NYCKEL/CHALLE ACRES property ID: 81961 Cleanup Completion Date: -	***1112 & 1120 EAST SEV***	***NNW 1/4 - 1/2 (0.448 mi.)***	***J40***	***153***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RIVER ASSOCIATES (FO EPA ID:: DED021971072	***1195 EAST 7TH STREET***	***NNW 1/8 - 1/4 (0.218 mi.)***	***B14***	***108***

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 08/10/2021 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WILMINGTON NATIONAL		W 1/2 - 1 (0.564 mi.)	71	321

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 10/20/2021 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HALBY CHEMICAL CO. EPA ID:: DED980830954	***600 TERMINAL AVE***	***WSW 1/4 - 1/2 (0.413 mi.)***	***0***	***82***

EXECUTIVE SUMMARY

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 06/30/2021 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HALBY CHEMICAL CO.	***600 TERMINAL AVE***	***WSW 1/4 - 1/2 (0.413 mi.)***	***0***	***82***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 13 records.

Site Name	Database(s)
BUDD METAL OU-2	DE SHWS, DE VCP
BUDD METAL OU-1	DE SHWS, DE VCP
154 S. DUPONT HWY	DE SHWS
RIVERWALK WETLANDS	DE SHWS
CARNEY MACHINERY STORES	DE SHWS
0 GARASCHES LANE	DE SHWS
PARCEL C	DE SHWS
DTC-2ND & WALNUT	DE SHWS
DUPONT CHERRY ISLAND LANDFILL	SEMS-ARCHIVE
ELECTRIC HOSE & RUBBER RECON	SEMS-ARCHIVE
CONECTIV SITE II ASH LANDFILL WILM	DE SWF/LF, DE RGA LF
TIMBER RIDGE TOWN HOMES	DE LUST
CONECTIV HAY ROAD SITE	EDR MGP

OVERVIEW MAP - 6778463.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Wilmington Harbor North	CLIENT:	Environmental Standards Inc.
ADDRESS:	1706 E 12th Street Wilmington DE 19801	CONTACT:	Joe Kraycik
		INQUIRY #:	6778463.2s
LAT/LONG:	39.724604 / 75.524063	DATE:	December 07, 2021 3:30 pm

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DETAIL MAP - 6778463.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Wilmington Harbor North	CLIENT:	Environmental Standards Inc.
ADDRESS:	1706 E 12th Street Wilmington DE 19801	CONTACT:	Joe Kraycik
		INQUIRY #:	6778463.2s
LAT/LONG:	39.724604 / 75.524063	DATE:	December 07, 2021 3:34 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	1	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	1	NR	NR	1
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	3	NR	NR	3
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250	1	0	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	1	NR	NR	1
US INST CONTROLS	0.500		0	0	1	NR	NR	1
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
DE SHWS	1.000		0	2	15	72	NR	89
Lists of state and tribal landfills and solid waste disposal facilities								
DE SWF/LF	0.500	1	0	0	2	NR	NR	3
Lists of state and tribal leaking storage tanks								
DE LAST	0.500		0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DE LUST	0.500		0	0	9	NR	NR	9
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
DE UST	0.250		0	0	NR	NR	NR	0
DE AST	0.250	1	0	1	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
DE INST CONTROL	0.500		0	1	9	NR	NR	10
Lists of state and tribal voluntary cleanup sites								
DE VCP	0.500		0	0	8	NR	NR	8
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
DE BROWNFIELDS	0.500		0	1	6	NR	NR	7
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	1	6	NR	NR	7
Local Lists of Landfill / Solid Waste Disposal Sites								
DE SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
DE PFAS	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
DE SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	1	0	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP	2	NR	NR	NR	NR	NR	2
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	1	0	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP	1	NR	NR	NR	NR	NR	1
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	6	NR	NR	NR	NR	NR	6
UXO	1.000		0	0	0	0	NR	0
ECHO	TP	2	NR	NR	NR	NR	NR	2
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
DE AIRS	TP	1	NR	NR	NR	NR	NR	1
DE DRYCLEANERS	0.250		0	0	NR	NR	NR	0
DE ENF	TP	1	NR	NR	NR	NR	NR	1
DE Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		0	0	NR	NR	NR	0
DE NPDES	TP		NR	NR	NR	NR	NR	0
DE TIER 2	TP	1	NR	NR	NR	NR	NR	1
DE UIC	TP	1	NR	NR	NR	NR	NR	1
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
DE RGA HWS	TP		NR	NR	NR	NR	NR	0
DE RGA LF	TP		NR	NR	NR	NR	NR	0
DE RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		18	0	7	65	73	0	163

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
GATE 2 PAVEMENT IMPROVEMENT AT THE CHERRY ISALND L
1706 EAST 12TH STREET
WILMINGTON, DE 19809

FINDS **1015844936**
N/A

Site 1 of 10 in cluster A

Actual:
26 ft.

FINDS:
Registry ID: 110054583107

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A2
Target Property
PHASES I/II LANDFILL GAS HEADER CONSTRUCTION
1706 EAST 12TH STREET
WILMINGTON, DE 19809

FINDS **1015968129**
N/A

Site 2 of 10 in cluster A

Actual:
26 ft.

FINDS:
Registry ID: 110054502560

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A3
Target Property
DSWA NORTHERN SW MANAGEMENT CNTR (CHERRY ISLANDL)
1706 EAST 12TH STREET
WILMINGTON, DE 19809

FINDS **1015882167**
N/A

Site 3 of 10 in cluster A

Actual:
26 ft.

FINDS:
Registry ID: 110054404257

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A4
Target Property
CHERRY ISLAND RENEWABLE ENERGY, LLC
1706 EAST 12TH STREET
WILMINGTON, DE 19809

DE AIRS **S109485175**
DE ENF **N/A**
DE UIC

Site 4 of 10 in cluster A

Actual:
26 ft.

AIRS:
Name: CEREZA ENERGY, INC.
Address: 1706 12TH STREET
City,State,Zip: WILMINGTON, DE 19802

CHERRY ISLAND RENEWABLE ENERGY, LLC (Continued) **S109485175**

Facility Id:	10705604
X Coordinate:	Not reported
Y Coordinate:	Not reported
Reference Point:	Not reported
Horizontal Method:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Watershed:	Not reported
Basin:	Not reported
State House District:	Not reported
Representative:	Not reported
State Senate District:	Not reported
Senator:	Not reported
School District:	Not reported
Quad:	Not reported
State Abbreviation:	Not reported
Town:	Not reported
PI ID:	27757
Prog ID:	1000300691
Additional Info:	Not reported
CareOf:	Not reported
ReferencePt:	Not reported
HorizontalMethod:	Not reported
LocType:	Not reported
LatitudeDec:	Not reported
LongitudeDec:	Not reported
LatitudeDegrees:	Not reported
LatitudeMinutes:	Not reported
LatitudeSeconds:	Not reported
LongitudeDegrees:	Not reported
LongitudeMinutes:	Not reported
LongitudeSeconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
PO Name:	Not reported
ZIP5:	Not reported
TaxID:	Not reported
SewerDistrict:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC Basin:	Not reported
Quad:	Not reported
SenateDistrict:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported
Name:	CHERRY ISLAND RENEWABLE ENERGY, LLC
Address:	1706 EAST 12TH STREET

CHERRY ISLAND RENEWABLE ENERGY, LLC (Continued) **S109485175**

City,State,Zip:	WILMINGTON, DE 19809
Facility Id:	10705604
X Coordinate:	No
Y Coordinate:	No
Reference Point:	Unknown
Horizontal Method:	Client Supplied-Method Unknown
Latitude:	39.72
Longitude:	-75.52
Watershed:	Christina River
Basin:	Piedmont
State House District:	2
Representative:	Representative Stephanie T Bolden
State Senate District:	2
Senator:	Senator Darius J. Brown
School District:	Lake Forest
Quad:	WILMINGTON SOUTH
State Abbreviation:	Not reported
Town:	Wilmington
PI ID:	531937
Prog ID:	1000300883
Additional Info:	Not reported
CareOf:	Not reported
ReferencePt:	Unknown
HorizontalMethod:	Client Supplied-Method Unknown
LocType:	P
LatitudeDec:	39.72
LongitudeDec:	-75.52
LatitudeDegrees:	39
LatitudeMinutes:	43
LatitudeSeconds:	12
LongitudeDegrees:	-75
LongitudeMinutes:	31
LongitudeSeconds:	12
County:	NEW CASTLE
State:	Not reported
Town:	Wilmington
PO Name:	Wilmington
ZIP5:	19801
TaxID:	Not reported
SewerDistrict:	Not reported
Flood Plain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
SenateDistrict:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name: DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND

CHERRY ISLAND RENEWABLE ENERGY, LLC (Continued) **S109485175**

Address:	1706 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19809
Facility Id:	10705604
X Coordinate:	No
Y Coordinate:	No
Reference Point:	Unknown
Horizontal Method:	Client Supplied-Method Unknown
Latitude:	39.778718
Longitude:	-75.3625
Watershed:	Not reported
Basin:	Not reported
State House District:	Not reported
Representative:	Not reported
State Senate District:	Not reported
Senator:	Not reported
School District:	Not reported
Quad:	MARCUS HOOK
State Abbreviation:	Not reported
Town:	Not reported
PI ID:	1032
Prog ID:	1000300111
Additional Info:	Not reported
CareOf:	Not reported
ReferencePt:	Unknown
HorizontalMethod:	Client Supplied-Method Unknown
LocType:	P
LatitudeDec:	39.778718
LongitudeDec:	-75.3625
LatitudeDegrees:	39
LatitudeMinutes:	46
LatitudeSeconds:	43.3848
LongitudeDegrees:	-75
LongitudeMinutes:	21
LongitudeSeconds:	45
County:	Not reported
State:	Not reported
Town:	Not reported
PO Name:	Pedricktown
ZIP5:	8067
TaxID:	Not reported
SewerDistrict:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC Basin:	Not reported
Quad:	MARCUS HOOK
SenateDistrict:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

CHERRY ISLAND RENEWABLE ENERGY, LLC (Continued) **S109485175**

ENFORCEMENT:

Name:	DSWA
Address:	1706 EAST 12TH STREET
Address 2:	Not reported
City,State,Zip:	DE
Business:	active mun waste landfill
Program:	Air Quality
Violator City:	Not reported
Violator State:	Not reported
Violator Zip:	Not reported
Date of Violation:	07/21/2010
Date Served:	10/28/2010
Date Discovered:	07/21/2010
Date Corrected:	Not reported
V Corrected:	No
Account Number:	2010-11403
Contact:	Foster, Paul Edward
Phone:	Not reported
Description:	Not reported
Nature:	Records reviewed during 7/21/10 inspection show that the H2S pretreatment system (LO-CAT) has not been operated in conjunction with 2 enclosed flares for the quantity of time specified in its permit, since the unit was permitted in 2008. ---- Both John Zink Low-NOx enclosed flares, designated as ZULE-A and ZULE-B, shall be operated with the LO-CAT II H2S pretreatment system at all times as practicable. The term all times practicable is based on 20 of the total operational downtime recommended by the applicant. As practicable, the required maintenance on H2S pretreatment system shall be done while collected landfill gases are not diverted to the Low-NOx enclosed flares. The entire flare system shall be operated in conjunction with the gas collection system to control odors as its top priority. ---- Both John Zink Low-NOx enclosed flares, designated as ZULE-A (?Zink-A?) and ZULE-B (?Zink-B?), shall be operated with the LO-CAT II H2S pretreatment system at all times as practicable. The term all times practicable is based on 20 of the total operational downtime recommended by the applicant. As practicable, the required maintenance on H2S pretreatment system shall be done while collected landfill gases are not diverted to the Low-NOx enclosed flares. The entire flare system shall be operated in conjunction with the gas collection system to control odors as its top priority.
Env Issues Comments:	Unknown

UIC:

Name:	CHERRY ISLAND LANDFILL
Address:	1706 EAST 12TH STREET
Address 2:	Not reported
City,State,Zip:	WILMINGTON, DE 19809
Permit Num:	5X26-07-07N
Permittee:	DE Solid Waste Auth
AKA:	Cherry Island Landfill
Issue Date:	08/01/2007
Exp Date:	11/01/2007
Exp Date2:	Not reported
Renewal Date:	Not reported

CHERRY ISLAND RENEWABLE ENERGY, LLC (Continued) **S109485175**

Cancel Date:	06/04/2015
Consultant Name:	Not reported
Consultant Add1:	Not reported
Consultant Add2:	Not reported
Consultant City:	Not reported
Consultant State:	Not reported
Consultant Zip:	Not reported
Consultant Tele:	Not reported
Consultant Fax:	Not reported
Equipment:	ASR well

A5 **CHERRY ISLAND LANDFILL** **DE AST** **A100415454**
Target **1706 EAST 12TH STREET** **N/A**
Property **WILMINGTON, DE 19809**

Site 5 of 10 in cluster A

Actual: **26 ft.**

AST:

Name:	CHERRY ISLAND LANDFILL
Address:	1706 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19809
Facility Id:	10705604
PI Id:	218936
Prog Id:	7-000481
Additional Info:	Not reported
Country Abv:	US
Careof:	Not reported
Loc Type:	P
County:	NEW CASTLE
Town:	Wilmington
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
DRBC Basin:	Not reported
Quad:	WILMINGTON SOUTH
Watershed:	Shellpot Creek
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
MOD Grid:	116-356
Latitude:	39.735419
Longitude:	-75.516153
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	7.5084
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	58.1508
Reference Point:	Storage Tank
Horizontal Method:	Unknown
XCoord:	191471.8
Horizontal Method:	Unknown

CHERRY ISLAND LANDFILL (Continued) **A100415454**

Name:	CEREZA ENERGY, INC.
Address:	LF6 PROCESSING PLANT CHERRY ISLAND LANDFILL
City,State,Zip:	WILMINGTON, DE 19802
Facility Id:	10705604
PI Id:	218937
Prog Id:	7-000482
Additional Info:	Not reported
Country Abv:	US
Careof:	Not reported
Loc Type:	P
County:	NEW CASTLE
Town:	Wilmington
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
DRBC Basin:	Not reported
Quad:	WILMINGTON SOUTH
Watershed:	Shellpot Creek
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
MOD Grid:	116-356
Latitude:	39.73541
Longitude:	-75.516124
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	7.476
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	58.0464
Reference Point:	Storage Tank
Horizontal Method:	Unknown
XCoord:	191474.3
Horizontal Method:	Unknown

Name:	CHERRY ISLAND LANDFILL GAS OPERATIONS
Address:	1706 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility Id:	10705604
PI Id:	222177
Prog Id:	7-000537
Additional Info:	Not reported
Country Abv:	US
Careof:	Not reported
Loc Type:	P
County:	NEW CASTLE
Town:	Wilmington
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
DRBC Basin:	Not reported
Quad:	WILMINGTON SOUTH

CHERRY ISLAND LANDFILL (Continued) **A100415454**

Watershed:	Shellpot Creek
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
MOD Grid:	116-356
Latitude:	39.73542
Longitude:	-75.516111
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	7.512
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	57.9996
Reference Point:	Storage Tank
Horizontal Method:	Unknown
XCoord:	191475.4
Horizontal Method:	Unknown

A6 **DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND** **ICIS** **1005899321**
Target **1706 EAST 12TH STREET** **US AIRS** **N/A**
Property **WILMINGTON, DE 19809**

Site 6 of 10 in cluster A

Actual: **26 ft.**

ICIS:

Enforcement Action ID:	DE000A0000100030011100616
FRS ID:	110007354308
Action Name:	Not reported
Facility Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address:	1706 EAST 12TH STREET WILMINGTON, DE 19809
Enforcement Action Type:	Notice of Violation
Facility County:	NEW CASTLE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4953
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	39.778718
Longitude in Decimal Degrees:	-75.362500
Permit Type Desc:	Not reported
Program System Acronym:	DE0000001000300111
Facility NAICS Code:	562212
Tribal Land Code:	Not reported

Enforcement Action ID:	DE000A0000100030011100073
FRS ID:	110007354308
Action Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY I 100030011100073
Facility Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address:	1706 EAST 12TH STREET WILMINGTON, DE 19809
Enforcement Action Type:	Administrative Order
Facility County:	NEW CASTLE

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4953
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 39.778718
Longitude in Decimal Degrees: -75.362500
Permit Type Desc: Not reported
Program System Acronym: DE0000001000300111
Facility NAICS Code: 562212
Tribal Land Code: Not reported

Enforcement Action ID: DE000A0000100030011100049
FRS ID: 110007354308
Action Name: DELAWARE SOLID WASTE AUTHORITY, CHERRY I 100030011100049
Facility Name: DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address: 1706 EAST 12TH STREET
WILMINGTON, DE 19809
Enforcement Action Type: Notice of Violation
Facility County: NEW CASTLE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4953
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 39.778718
Longitude in Decimal Degrees: -75.362500
Permit Type Desc: Not reported
Program System Acronym: DE0000001000300111
Facility NAICS Code: 562212
Tribal Land Code: Not reported

Enforcement Action ID: DE000A0000100030011100041
FRS ID: 110007354308
Action Name: DELAWARE SOLID WASTE AUTHORITY, CHERRY I 100030011100041
Facility Name: DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address: 1706 EAST 12TH STREET
WILMINGTON, DE 19809
Enforcement Action Type: Administrative Order
Facility County: NEW CASTLE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4953
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 39.778718
Longitude in Decimal Degrees: -75.362500
Permit Type Desc: Not reported
Program System Acronym: DE0000001000300111
Facility NAICS Code: 562212
Tribal Land Code: Not reported

Enforcement Action ID: 03-2005-A030
FRS ID: 110007354308
Action Name: DELAWARE SOLID WASTE AUTHORITY, CHERRY I 100030011190009
Facility Name: DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address: 1706 EAST 12TH STREET

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

	WILMINGTON, DE 19809
Enforcement Action Type:	CAA 113A Admin Compliance Order (Non-Penalty)
Facility County:	NEW CASTLE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	113A
Facility SIC Code:	4953
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	39.778718
Longitude in Decimal Degrees:	-75.362500
Permit Type Desc:	Not reported
Program System Acronym:	DE0000001000300111
Facility NAICS Code:	562212
Tribal Land Code:	Not reported

Enforcement Action ID:	03-2004-A053
FRS ID:	110007354308
Action Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY I 100030011190008
Facility Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address:	1706 EAST 12TH STREET
	WILMINGTON, DE 19809
Enforcement Action Type:	CAA 113D1 Action For Penalty
Facility County:	NEW CASTLE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	113D1
Facility SIC Code:	4953
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	39.778718
Longitude in Decimal Degrees:	-75.362500
Permit Type Desc:	Not reported
Program System Acronym:	DE0000001000300111
Facility NAICS Code:	562212
Tribal Land Code:	Not reported

US AIRS (AFS):

Envid:	1005899321
Region Code:	03
County Code:	DE003
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
D and B Number:	Not reported
Facility Site Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Primary SIC Code:	4953
NAICS Code:	562212
Default Air Classification Code:	MAJ
Facility Type of Ownership Code:	Not reported
Air CMS Category Code:	TVM
HPV Status:	Not reported

US AIRS (AFS):

Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2016-05-05 00:00:00
Activity Status Date: 2016-08-02 10:06:41
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2005-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2006-04-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2006-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2006-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2007-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2007-04-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2007-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2007-06-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2007-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2007-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2007-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2008-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2008-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2009-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2010-04-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2010-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2011-08-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2011-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2012-04-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2012-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2014-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: Not reported
Activity Status Date: 2006-12-22 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2016-05-05 00:00:00
Activity Status Date: 2016-08-02 10:06:41
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1998-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-06-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-06-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2000-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2001-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2001-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2002-04-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2002-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2002-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2003-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2003-11-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2003-11-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2003-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2003-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-04-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-04-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-06-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-11-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2008-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2008-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2009-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-08-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-04-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2014-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-03-01 00:00:00
Activity Status Date: 2004-03-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-10-28 00:00:00
Activity Status Date: 2010-10-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-05-05 00:00:00
Activity Status Date: 2016-08-02 10:06:41
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-06-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-06-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2001-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-04-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-03-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-05-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-10-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-11-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-12-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2004-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-06-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-03-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-04-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-04-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2006-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-04-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-06-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-11-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-10-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-03-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2010-04-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-04-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-01 00:00:00
Activity Status Date: 2004-03-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-11-19 00:00:00
Activity Status Date: 2004-11-19 00:00:00
Activity Group: Enforcement Action

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-07-11 00:00:00
Activity Status Date: 2006-07-11 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-06-11 00:00:00
Activity Status Date: 2003-06-11 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-28 00:00:00
Activity Status Date: 2010-10-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-01-29 00:00:00
Activity Status Date: 2015-02-04 13:06:55
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2015-04-23 00:00:00
Activity Status Date: 2015-05-28 10:57:14
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-23 00:00:00
Activity Status Date: 2015-08-17 14:26:46
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-26 00:00:00
Activity Status Date: 2015-09-28 13:42:09
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-02-01 00:00:00
Activity Status Date: 2016-03-30 12:51:54
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-05-05 00:00:00
Activity Status Date: 2016-08-02 10:06:41
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-06-09 00:00:00
Activity Status Date: 2016-06-28 12:02:24
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-06-09 00:00:00
Activity Status Date: 2016-06-28 12:02:38
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-07-13 00:00:00
Activity Status Date: 2016-08-09 15:46:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-06-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-06-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-04-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2003-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-03-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-05-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-10-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-12-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-03-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-06-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2004-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-03-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-04-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-04-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-04-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-06-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2007-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-11-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-03-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-03-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-04-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Date: 2012-01-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-04-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-01-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-03-01 00:00:00
Activity Status Date: 2004-03-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-07-11 00:00:00
Activity Status Date: 2006-07-11 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-06-11 00:00:00
Activity Status Date: 2003-06-11 00:00:00
Activity Group: Enforcement Action

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND (Continued) **1005899321**

Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-28 00:00:00
Activity Status Date: 2010-10-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

A7 **CHERRY ISLAND RENEWABLE ENERGY, LLC** **ICIS 1015890140**
Target **1706 E 12TH STREET** **FINDS N/A**
Property **WILMINGTON, DE 19809**

Site 7 of 10 in cluster A

Actual: 26 ft.

ICIS:
Enforcement Action ID: 03-2004-0122
FRS ID: 110007354308
Action Name: DELAWARE SOLID WASTE AUTHORITY d/b/a CHERRY ISLAND LANDFILL
Facility Name: DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address: 1706 E 12TH STREET
WILMINGTON, DE 19801
Enforcement Action Type: CAA 113D1 Action For Penalty
Facility County: NEW CASTLE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 113D1
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 39.737096
Longitude in Decimal Degrees: -75.523548
Permit Type Desc: Not reported
Program System Acronym: 6386531
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address: 1706 E 12TH STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 4953

Facility Name: DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address: 1706 E 12TH STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 9511

CHERRY ISLAND RENEWABLE ENERGY, LLC (Continued) **1015890140**

Facility Name: DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address: 1706 E 12TH STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 4953

Facility Name: DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address: 1706 E 12TH STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 9511

Facility Name: DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address: 1706 E 12TH STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 4953

Facility Name: DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address: 1706 E 12TH STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 9511

Facility Name: DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address: 1706 E 12TH STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 4953

Facility Name: DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address: 1706 E 12TH STREET
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 9511

FINDS:
Registry ID: 110054416280

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A8 **DSWA CHERRY ISLAND LANDFILL (NSWMC)** **RCRA-VSQG** **1018155498**
Target **1706 EAST 12TH STREET** **FINDS** **DEN201500028**
Property **WILMINGTON, DE 19809** **ECHO**

Site 8 of 10 in cluster A

Actual: **26 ft.**

RCRA-VSQG:

Date Form Received by Agency:	20150925
Handler Name:	DSWA CHERRY ISLAND LANDFILL (NSWMC)
Handler Address:	1706 EAST 12TH STREET
Handler City,State,Zip:	WILMINGTON, DE 19809
EPA ID:	DEN201500028
Contact Name:	JASON MUNYAN
Contact Address:	1128 SOUTH BRADFORD STREET
Contact City,State,Zip:	DOVER, DE 19904
Contact Telephone:	302-764-5385
Contact Fax:	000-000-0000
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	03
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	Not reported
Mailing City,State,Zip:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

DSWA CHERRY ISLAND LANDFILL (NSWMC) (Continued) **1018155498**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20151006
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20150925
Handler Name:	DSWA CHERRY ISLAND LANDFILL (NSWMC)
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20150921
Actual Return to Compliance Date:	20150923
Return to Compliance Qualifier:	Documented

DSWA CHERRY ISLAND LANDFILL (NSWMC) (Continued) **1018155498**

Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20151221
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person: DEAKK
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - Small Quantity Handlers
Date Violation was Determined: 20150921
Actual Return to Compliance Date: 20150921
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20151221
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person: DEAKK
Enforcement Responsible Sub-Organization: HW

DSWA CHERRY ISLAND LANDFILL (NSWMC) (Continued) **1018155498**

SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Listing - General
Date Violation was Determined: 20150921
Actual Return to Compliance Date: 20150921
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20151221
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person: DEAKK
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - Small Quantity Handlers
Date Violation was Determined: 20150921
Actual Return to Compliance Date: 20151008
Return to Compliance Qualifier: Documented

DSWA CHERRY ISLAND LANDFILL (NSWMC) (Continued) **1018155498**

Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20151221
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person: DEAKK
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - Small Quantity Handlers
Date Violation was Determined: 20150921
Actual Return to Compliance Date: 20151029
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20151221
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person: DEAKK
Enforcement Responsible Sub-Organization: HW

DSWA CHERRY ISLAND LANDFILL (NSWMC) (Continued) **1018155498**

SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Used Oil - Generators
Date Violation was Determined: 20150921
Actual Return to Compliance Date: 20151019
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20151221
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person: DEAKK
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20150921
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: DEAKK

DSWA CHERRY ISLAND LANDFILL (NSWMC) (Continued) **1018155498**

Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20150923
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150921
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAKK
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20150921
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150921
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAKK
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20150921
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150921
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAKK
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20151008
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150921
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAKK
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20151029
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

DSWA CHERRY ISLAND LANDFILL (NSWMC) (Continued) **1018155498**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150921
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAKK
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20151019
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110066946522

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1018155498
Registry ID:	110066946522
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110066946522
Name:	DSWA CHERRY ISLAND LANDFILL (NSWMC)
Address:	1706 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19809

A9 **DELAWARE SOLID WASTE AUTHORITY** **DE SWF/LF** **S119779983**
Target **1706 E 12TH ST** **DE TIER 2** **N/A**
Property **WILMINGTON, DE 19809**

Site 9 of 10 in cluster A

Actual:
26 ft.

SWF/LF:

Name:	NORTHERN SOLID WASTE MANAGEMENT CENTER
Address:	1706 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19809
Facility Id:	10705604
PI Id:	16924
PI Name:	NORTHERN SOLID WASTE MANAGEMENT CENTER
Prog Id:	LF-0011
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Unknown

DELAWARE SOLID WASTE AUTHORITY (Continued) **S119779983**

Horizontal Method:	Client Supplied-Method Unknown
Loc Type:	F
XCoordinate Nad83 meters:	0
YCoordinate Nad83 meters:	0
Latitude Dec:	39.726408
Longitude Dec:	-75.2125
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	35.0688
Longitude Degrees:	-75
Longitude Minutes:	12
Longitude Seconds:	45
County:	Not reported
State:	Not reported
Town:	Wilmington
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Delaware Estuary
Watershed:	Delaware Estuary
Drbc Basin:	Not reported
Quad:	PENNS GROVE
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

TIER 2:

Name:	DELAWARE SOLID WASTE AUTHORITY
Address:	1706 E 12TH ST
City,State,Zip:	WILMINGTON, DE 19809
Facility ID:	Not reported
Tier II Report Yr:	2015
Facility Corporate Name:	Not reported
EHS Year:	Not reported
CAS Number:	68476302
Chemical:	DIESEL FUEL
Facility Status:	Not reported
Is EHS:	No
Is Containing EHS:	Not reported

Tier II Report Yr:	2015
Facility Corporate Name:	Not reported
EHS Year:	Not reported
CAS Number:	N/A
Chemical:	ANTIFREEZING COMPOUND, [LIQUID]
Facility Status:	Not reported
Is EHS:	No

DELAWARE SOLID WASTE AUTHORITY (Continued) **S119779983**

Is Containing EHS: Not reported

Tier II Report Yr: 2015
Facility Corporate Name: Not reported
EHS Year: Not reported
CAS Number: N/A
Chemical: BRAKE FLUID, HYDRAULIC
Facility Status: Not reported
Is EHS: No
Is Containing EHS: Not reported

Tier II Report Yr: 2015
Facility Corporate Name: Not reported
EHS Year: Not reported
CAS Number: N/A
Chemical: DIESEL EXHAUST FLUID
Facility Status: Not reported
Is EHS: No
Is Containing EHS: Not reported

Tier II Report Yr: 2015
Facility Corporate Name: Not reported
EHS Year: Not reported
CAS Number: N/A
Chemical: LUBRICATING OIL
Facility Status: Not reported
Is EHS: No
Is Containing EHS: Not reported

Tier II Report Yr: 2015
Facility Corporate Name: Not reported
EHS Year: Not reported
CAS Number: N/A
Chemical: OIL, [MOTOR]
Facility Status: Not reported
Is EHS: No
Is Containing EHS: Not reported

Tier II Report Yr: 2015
Facility Corporate Name: Not reported
EHS Year: Not reported
CAS Number: N/A
Chemical: WINDSHIELD WASHER SOLVENT
Facility Status: Not reported
Is EHS: No
Is Containing EHS: Not reported

A10 **DE SOLID WASTE AUTHORITY, CHERRY ISLAND** **FINDS** **1016068955**
Target **1706 E 12TH STREET** **ECHO** **N/A**
Property **WILMINGTON, DE 19809**

Site 10 of 10 in cluster A

Actual:
26 ft.

FINDS:
Registry ID: 110007354308

Click Here:

Environmental Interest/Information System:
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
STATE MASTER
AIR MAJOR
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.
GREENHOUSE GAS REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016068955
Registry ID:	110007354308
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110007354308
Name:	DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address:	1706 E 12TH STREET
City,State,Zip:	WILMINGTON, DE 19809

NPL **HALBY CHEMICAL CO.** **NPL** **1000165424**
Region **600 TERMINAL AVE** **SEMS** **DED980830954**
WSW **NEW CASTLE, DE 19720** **US ENG CONTROLS**
1/4-1/2 **US INST CONTROLS**
2182 ft. **DE UST**
ROD
PRP
CONSENT

NPL:

EPA Region:	3
EPA ID:	DED980830954
Site ID:	300125
Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
City,State,Zip:	NEW CASTLE, DE 19720
Federal:	N
Final Date:	1986-06-10 00:00:00
Latitude:	39.718611
Longitude:	-75.537219
Site Score:	30.899999999999999
NAI:	Not reported
Native American Entity:	Not reported

NPL:

NPL Status:	Currently on the Final NPL
Substance ID:	Not reported
CAS Number:	Not reported
Substance:	Not reported
Pathway:	Not reported
Scoring:	Not reported

NPL Status:	Currently on the Final NPL
Substance ID:	A005
CAS Number:	Not reported
Substance:	ARSENIC AND COMPOUNDS
Pathway:	GROUND WATER PATHWAY
Scoring:	3

NPL Status:	Currently on the Final NPL
Substance ID:	A005
CAS Number:	Not reported
Substance:	ARSENIC AND COMPOUNDS
Pathway:	SURFACE WATER PATHWAY
Scoring:	3

NPL Status:	Currently on the Final NPL
Substance ID:	A020
CAS Number:	Not reported
Substance:	CHROMIUM AND COMPOUNDS
Pathway:	NO PATHWAY INDICATED
Scoring:	1

NPL Status:	Currently on the Final NPL
Substance ID:	C049
CAS Number:	100-41-4
Substance:	ETHYLBENZENE
Pathway:	NO PATHWAY INDICATED
Scoring:	1

HALBY CHEMICAL CO. (Continued) **1000165424**

NPL Status: Currently on the Final NPL
Substance ID: C178
CAS Number: Not reported
Substance: COPPER AND COMPOUNDS
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C247
CAS Number: Not reported
Substance: ZINC AND COMPOUNDS
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C558
CAS Number: 302-04-5
Substance: THIOCYANATE
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: D006
CAS Number: 7440-43-9
Substance: CADMIUM (CD)
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: D008
CAS Number: 7439-92-1
Substance: LEAD (PB)
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: P022
CAS Number: 75-15-0
Substance: CARBON DISULFIDE
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: P030
CAS Number: Not reported
Substance: CYANIDES (SOLUBLE SALTS)
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U210
CAS Number: 127-18-4
Substance: TETRACHLOROETHENE
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL

HALBY CHEMICAL CO. (Continued) **1000165424**

Substance ID: U220
CAS Number: 108-88-3
Substance: TOLUENE
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: U226
CAS Number: 71-55-6
Substance: TRICHLOROETHANE, 1,1,1-
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: U228
CAS Number: 79-01-6
Substance: TRICHLOROETHYLENE (TCE)
Pathway: NO PATHWAY INDICATED
Scoring: 1

Summary Details:

Conditions at proposal September 18, 1985): Halby Chemical Co. was a manufacturing facility in New Castle, New Castle County, Delaware. Its primary product was ammonium thiocyanate. In the early 1970s, Witco Chemical Co. acquired the operation, then sold it to Brandywine Chemical Co. in 1977. Currently, Brandywine stores finished products for distribution on the site. From the late l940s to August l977, a waste water lagoon was in use behind the plant near the WilmingtonMarine Terminal in New Castle. The lagoon was approximately 2 feet deep, covered l.5 acres, and drained into the Lobdell Canal and the Christina River. High levels of various organic and inorganic substances, including trichloroethylene,tetrachloroethylene, arsenic, cyanide, and lead, are present in water and sediment samples from the lagoon, according to EPA tests. EPA detected thiocyanate in the ground water underlying the site. Four municipal wells are part of an interconnected system that supplies approximately 150,000 people living 2 to 3 miles from the site. Status June 10, 1986): EPA emergency staff has assessed the site and determined that an immediate removal action is not warranted at this time.

NPL:
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-<= 10 Feet
Category Value: 10

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-0 Miles (On Site)
Category Value: 0

NPL:
NPL Name: HALBY CHEMICAL CO.

NPL:
EPA Region: 03
Site ID: 0300125
Site Status: F

HALBY CHEMICAL CO. (Continued) **1000165424**

Federal Site: N
Date Deleted: Not reported
Date Finalized: 06/10/86
Date Proposed: 09/18/85

NPL:
Proposed Date: 09/18/1985
Final Date: 06/10/1986
Deleted Date: Not reported
NPL Status: Final

SEMS:
Site ID: 0300125
EPA ID: DED980830954
Name: HALBY CHEMICAL CO.
Address: 600 TERMINAL AVE
Address 2: Not reported
City,State,Zip: NEW CASTLE, DE 19720
Cong District: 01
FIPS Code: 10003
Latitude: 39.718611
Longitude: -75.537219
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:
Region: 03
Site ID: 0300125
EPA ID: DED980830954
Site Name: HALBY CHEMICAL CO.
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 3
Start Date: 2016-12-01 05:00:00
Finish Date: 9/26/2017 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 03
Site ID: 0300125
EPA ID: DED980830954
Site Name: HALBY CHEMICAL CO.
NPL: F
FF: N
OU: 01
Action Code: TS
Action Name: TRTSTUDY
SEQ: 1
Start Date: 1989-09-26 04:00:00
Finish Date: 9/30/1990 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

HALBY CHEMICAL CO. (Continued) **1000165424**

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	TA
Action Name:	TECH ASSIST
SEQ:	1
Start Date:	1990-04-24 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	2
Start Date:	2011-11-10 05:00:00
Finish Date:	9/27/2012 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1986-06-10 04:00:00
Finish Date:	6/10/1986 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1985-03-29 06:00:00
Finish Date:	3/29/1985 6:00:00 AM

HALBY CHEMICAL CO. (Continued) **1000165424**

Qual:	H
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	1989-08-16 04:00:00
Finish Date:	8/16/1989 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	1
Start Date:	1987-06-30 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	2
Start Date:	2012-01-19 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	AR
Action Name:	ADMIN REC

HALBY CHEMICAL CO. (Continued) **1000165424**

SEQ:	2
Start Date:	1993-03-09 05:00:00
Finish Date:	3/31/1998 5:00:00 AM
Qual:	E
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	1991-06-28 04:00:00
Finish Date:	6/28/1991 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	CO
Action Name:	RI/FS
SEQ:	2
Start Date:	1991-12-20 05:00:00
Finish Date:	3/31/1998 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	3
Start Date:	1991-08-02 04:00:00
Finish Date:	8/2/1991 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N

HALBY CHEMICAL CO. (Continued) **1000165424**

OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	4
Start Date:	1993-04-16 04:00:00
Finish Date:	6/25/1993 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	1
Start Date:	2005-11-14 05:00:00
Finish Date:	9/28/2007 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1985-09-18 05:00:00
Finish Date:	9/18/1985 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	01
Action Code:	CO
Action Name:	RI/FS
SEQ:	1
Start Date:	1987-03-06 05:00:00
Finish Date:	6/28/1991 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954

HALBY CHEMICAL CO. (Continued) **1000165424**

Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	RO
Action Name:	ROD
SEQ:	2
Start Date:	1998-03-31 05:00:00
Finish Date:	3/31/1998 5:00:00 AM
Qual:	R
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	2
Start Date:	1990-09-10 04:00:00
Finish Date:	9/10/1990 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	TG
Action Name:	TA GRANT
SEQ:	1
Start Date:	1998-08-11 04:00:00
Finish Date:	2/6/2001 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1995-02-03 05:00:00
Finish Date:	7/20/1995 4:00:00 AM
Qual:	S
Current Action Lead:	EPA Perf

HALBY CHEMICAL CO. (Continued) **1000165424**

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	CM
Action Name:	PCOR
SEQ:	1
Start Date:	2002-04-22 04:00:00
Finish Date:	4/22/2002 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	2
Start Date:	1985-10-30 06:00:00
Finish Date:	1/10/1986 5:00:00 AM
Qual:	D
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	01
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1989-07-21 04:00:00
Finish Date:	6/28/1991 4:00:00 AM
Qual:	E
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	01
Action Code:	ED
Action Name:	R/H ASMT
SEQ:	1
Start Date:	1990-09-01 04:00:00
Finish Date:	9/1/1990 4:00:00 AM

HALBY CHEMICAL CO. (Continued) **1000165424**

Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1983-11-01 05:00:00
Finish Date:	11/1/1983 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	BD
Action Name:	PRP RI/FS
SEQ:	1
Start Date:	1997-06-09 04:00:00
Finish Date:	1/6/1998 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	BE
Action Name:	PRP RD
SEQ:	2
Start Date:	1999-06-03 04:00:00
Finish Date:	9/14/2000 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	BB
Action Name:	PRP RV

HALBY CHEMICAL CO. (Continued) **1000165424**

SEQ: 1
Start Date: 1995-07-20 04:00:00
Finish Date: 9/30/1998 4:00:00 AM
Qual: S
Current Action Lead: EPA Ovrsght

Region: 03
Site ID: 0300125
EPA ID: DED980830954
Site Name: HALBY CHEMICAL CO.
NPL: F
FF: N
OU: 02
Action Code: BF
Action Name: PRP RA
SEQ: 2
Start Date: 2000-09-14 04:00:00
Finish Date: 9/30/2005 4:00:00 AM
Qual: FR
Current Action Lead: EPA Ovrsght

Region: 03
Site ID: 0300125
EPA ID: DED980830954
Site Name: HALBY CHEMICAL CO.
NPL: F
FF: N
OU: 02
Action Code: NA
Action Name: PRP RI
SEQ: 1
Start Date: 2013-05-10 05:00:00
Finish Date: 10/1/2017 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 03
Site ID: 0300125
EPA ID: DED980830954
Site Name: HALBY CHEMICAL CO.
NPL: F
FF: N
OU: 02
Action Code: OM
Action Name: OM
SEQ: 1
Start Date: 2020-01-01 06:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 03
Site ID: 0300125
EPA ID: DED980830954
Site Name: HALBY CHEMICAL CO.
NPL: F
FF: N

HALBY CHEMICAL CO. (Continued) **1000165424**

OU: 00
Action Code: MA
Action Name: ST COOP
SEQ: 2
Start Date: 1991-01-24 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: St Perf

Region: 03
Site ID: 0300125
EPA ID: DED980830954
Site Name: HALBY CHEMICAL CO.
NPL: F
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1983-12-01 05:00:00
Finish Date: 2/1/1984 5:00:00 AM
Qual: L
Current Action Lead: St Perf

Region: 03
Site ID: 0300125
EPA ID: DED980830954
Site Name: HALBY CHEMICAL CO.
NPL: F
FF: N
OU: 00
Action Code: MA
Action Name: ST COOP
SEQ: 1
Start Date: 1988-12-22 05:00:00
Finish Date: 12/22/1988 5:00:00 AM
Qual: Not reported
Current Action Lead: St Perf

SIte:
Name: HALBY CHEMICAL CO.
Address: 600 TERMINAL AVE
Address 2: Not reported
City,State,Zip: NEW CASTLE, DE 19720
Event Code: Not reported
Action Taken Date: 03/31/1998
EPA ID: DED980830954
Action Name: Record of Decision
Action ID: 2
Operable Unit: 02
Contaminated Media: Sediment
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1998

HALBY CHEMICAL CO. (Continued) **1000165424**

NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 39.718611
Longitude: -75.537219

Media:
EPA ID: DED980830954
Contaminated Media: Sediment
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 03/31/1998
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1998
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 39.718611
Longitude: -75.537219

EPA ID: DED980830954
Contaminated Media: Soil
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 03/31/1998
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1998
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 39.718611
Longitude: -75.537219

EPA ID: DED980830954
Contaminated Media: Surface Water
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 03/31/1998
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1998
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 39.718611
Longitude: -75.537219

EPA ID: DED980830954

HALBY CHEMICAL CO. (Continued) **1000165424**

Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/28/1991
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1991
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Debris
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/28/1991
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1991
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Debris
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/28/1991
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1991
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/28/1991
Event Code:	Not reported

HALBY CHEMICAL CO. (Continued) **1000165424**

Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1991
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/28/1991
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1991
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL

HALBY CHEMICAL CO. (Continued) **1000165424**

Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil

HALBY CHEMICAL CO. (Continued) **1000165424**

Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported

HALBY CHEMICAL CO. (Continued) **1000165424**

Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Surface Water
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N

HALBY CHEMICAL CO. (Continued) **1000165424**

Latitude: 39.718611
Longitude: -75.537219

US INST CONTROLS:
Name: HALBY CHEMICAL CO.
Address: 600 TERMINAL AVE
Address 2: Not reported
City,State,Zip: NEW CASTLE, DE 19720
EPA ID: DED980830954
Action Name: Record of Decision
Action ID: 1
Operable Unit: 01
Actual Date: 06/28/1991
Contaminated Media: Soil
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1991
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 39.718611
Longitude: -75.537219

Name: HALBY CHEMICAL CO.
Address: 600 TERMINAL AVE
Address 2: Not reported
City,State,Zip: NEW CASTLE, DE 19720
EPA ID: DED980830954
Action Name: Record of Decision
Action ID: 2
Operable Unit: 02
Actual Date: 03/31/1998
Contaminated Media: Surface Water
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1998
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 39.718611
Longitude: -75.537219

Name: HALBY CHEMICAL CO.
Address: 600 TERMINAL AVE
Address 2: Not reported
City,State,Zip: NEW CASTLE, DE 19720
EPA ID: DED980830954
Action Name: Record of Decision
Action ID: 2
Operable Unit: 02
Actual Date: 03/31/1998
Contaminated Media: Groundwater

HALBY CHEMICAL CO. (Continued) **1000165424**

Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1998
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 39.718611
Longitude: -75.537219

Name: HALBY CHEMICAL CO.
Address: 600 TERMINAL AVE
Address 2: Not reported
City,State,Zip: NEW CASTLE, DE 19720
EPA ID: DED980830954
Action Name: Record of Decision
Action ID: 2
Operable Unit: 02
Actual Date: 03/31/1998
Contaminated Media: Sediment
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1998
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 39.718611
Longitude: -75.537219

Name: HALBY CHEMICAL CO.
Address: 600 TERMINAL AVE
Address 2: Not reported
City,State,Zip: NEW CASTLE, DE 19720
EPA ID: DED980830954
Action Name: Record of Decision
Action ID: 2
Operable Unit: 02
Actual Date: 03/31/1998
Contaminated Media: Soil
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1998
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 39.718611
Longitude: -75.537219

UST:
Facility Id: 10054300
PI Id: 19185
Prog Id: 3-000561

HALBY CHEMICAL CO. (Continued) **1000165424**

Tax Id:	Not reported
Additional Info:	Not reported
Care Of:	Not reported
PO Name:	Wilmington
Sewer District:	Unknown
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Water District:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Yes
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Mod Grid:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
X Coordinate Na D83 Meters:	189717.1
Y Coordinate Na D83 Meters:	190854.5
Latitude Dec:	39.71915
Longitude Dec:	-75.5365
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	8.9688
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	11.7384
Name:	HALBY CHEMICAL CO
Address:	600 TERMINAL AVENUE
City,State,Zip:	NEW CASTLE, DE 19720

Tank Info:

Owner:	Brandywine Chemical
Owner Address:	600 Terminal Avenue, New Castle, DE 19720 US
Tank Id:	1
Alt Tank Id:	1
Tank Status:	Removed
Capacity:	10000
Tank Substance:	Heating Oil
Compartment:	N
Close Date:	04/10/1995
Install Date:	03/30/1970

ROD:

Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
City,State,Zip:	NEW CASTLE, DE 19720
EPA ID:	DED980830954
RG:	3
Site ID:	300125
Action:	GOVT Decision Document (ROD)

HALBY CHEMICAL CO. (Continued) **1000165424**

Operable Unit Number: SURFACE SOIL-OPERATING FACILIT
SEQ ID: 1
Action Completion: 1991-06-28 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: HALBY CHEMICAL CO.
Address: 600 TERMINAL AVE
City,State,Zip: NEW CASTLE, DE 19720
EPA ID: DED980830954
RG: 3
Site ID: 300125
Action: GOVT Decision Document (ROD)
Operable Unit Number: GROUND WATER & SURFACE WATER
SEQ ID: 2
Action Completion: 1998-03-31 00:00:00
NPL Status: Final
Non NPL Status: Not reported

PRP:
PRP Name:
ARGUS CHEMICAL CORP/WITCO CORP
ARGUS CHEMICAL CORP/WITCO CORP
ARGUS CHEMICAL CORP/WITCO CORP
ARGUS CHEMICAL CORPORATION
ARGUS CHEMICAL CORPORATION
ARGUS CHEMICAL CORPORATION
BOLLMAN TRUCKING CO
BRANDYWINE CHEMICAL CO
BRANDYWINE CHEMICAL CO
BRANDYWINE CHEMICAL CO
CHEMTURA CORPORATION
CHRISTIANA MOTOR FREIGHT INC./F&H TRANSPORT
ESTATE OF DR. ALBERT BEEKHUIS
ESTATE OF DR. ALBERT BEEKHUIS
F & H TRANSPORT, INC.
F & H TRANSPORT, INC.
F & H TRANSPORT, INC.
F.A. POTTS AND COMPANY INTERNATIONAL, INC.
HALBY CHEMICAL CO INC
PYRITES CO INC

Click this hyperlink while viewing on your computer to access
14 additional PRP: record(s) in the EDR Site Report.

CONSENT:
EPA ID: DED980830954
Site ID: Not reported
Case Title: U.S. V. WITCO CORPORATION (HALBY CHEMICAL)
Court Num: 92-93
District: Delaware
Entered Date: 19920409
Name: HALBY CHEMICAL
Name: HALBY CHEMICAL CO.
Address: 600 TERMINAL AVE
City,State,Zip: NEW CASTLE, DE 19720
County: NEW CASTLE

11
North
1/8-1/4
0.177 mi.
932 ft.

SALVAGE YARD RELOCATION AREA II
INTERSECTION OF 12TH STREET AND RTE 495
WILMINGTON, DE 19802

US BROWNFIELDS **1006976459**
N/A

Relative:
Lower

Actual:
9 ft.

US BROWNFIELDS:

Name:	SALVAGE YARD RELOCATION AREA II
Address:	INTERSECTION OF 12TH STREET AND RTE 495
City,State,Zip:	WILMINGTON, DE 19802
Recipient Name:	R3 TBA - Delaware (Pre-law Superfund TBA)
Grant Type:	TBA
Property Number:	-
Parcel size:	4
Latitude:	39.7314
Longitude:	-75.5244
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	10196
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	08/26/2000
Ownership Entity:	-
Completion Date:	08/26/2000
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

SALVAGE YARD RELOCATION AREA II (Continued) **1006976459**

Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

SALVAGE YARD RELOCATION AREA II (Continued) **1006976459**

Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	-
Below Poverty Percent:	-
Meidan Income:	-
Meidan Income Number:	-
Meidan Income Percent:	-
Vacant Housing Number:	-
Vacant Housing Percent:	-
Unemployed Number:	-
Unemployed Percent:	-

B12 **UP THE CREEK RESTAURANT** **DE BROWNFIELDS** **S107768945**
NNW **1195 E. SEVENTH STREET** **N/A**
1/8-1/4 **WILMINGTON, DE 19801**
0.218 mi.
1150 ft. **Site 1 of 4 in cluster B**

Relative: DE BROWNFIELD:
Lower

Name:	UP THE CREEK RESTAURANT
Address:	1195 E. SEVENTH STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1384
Certification Date:	4.13.06
Acreage:	4.52+/-

Actual:
10 ft.

B13 **RIVER ASSOCIATES (FORMER UP THE CREEK MARINA)** **DE AST** **A100303560**
NNW **1195 EAST 7TH STREET** **N/A**
1/8-1/4 **WILMINGTON, DE 19801**
0.218 mi.
1150 ft. **Site 2 of 4 in cluster B**

Relative: AST:
Lower

Name:	RIVER ASSOCIATES (FORMER UP THE CREEK MARINA)
Address:	1195 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10153131
PI Id:	218950
Prog Id:	7-000496

Actual:
10 ft.

RIVER ASSOCIATES (FORMER UP THE CREEK MARINA) (Continued) **A100303560**

Additional Info:	Not reported
Country Abv:	US
Careof:	Not reported
Loc Type:	P
County:	NEW CASTLE
Town:	Wilmington
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
DRBC Basin:	Not reported
Quad:	WILMINGTON SOUTH
Watershed:	Brandywine Creek
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
MOD Grid:	112-356
Latitude:	39.733405
Longitude:	-75.529506
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	0.258
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	46.2216
Reference Point:	Storage Tank
Horizontal Method:	Unknown
XCoord:	190326.8
Horizontal Method:	Unknown

B14 **RIVER ASSOCIATES (FORMER UP THE CREEK MARINA) - 11** **RCRA NonGen / NLR** **1000345412**
NNW **1195 EAST 7TH STREET** **FINDS** **DED021971072**
1/8-1/4 **WILMINGTON, DE 19801**
0.218 mi.
1150 ft. **Site 3 of 4 in cluster B**

Relative: **Lower**

Actual: **10 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20100405
Handler Name:	CAMPASS MARINE CORP	
Handler Address:		1195 EAST 7TH STREET
Handler City,State,Zip:		WILMINGTON, DE 19801
EPA ID:		DED021971072
Contact Name:		JAMES HANNON
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		302-571-8263
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		03
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported

RIVER ASSOCIATES (FORMER UP THE CREEK MARINA) - 1195 EAST 7T (Continued) **1000345412**

Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1195 EAST 7TH AVENUE
Mailing City,State,Zip:	WILMINGTON, DE 19801
Owner Name:	WILLIAM BATES
Owner Type:	Private
Operator Name:	WILLIAM BATES
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

RIVER ASSOCIATES (FORMER UP THE CREEK MARINA) - 1195 EAST 7T (Continued) **1000345412**

Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WILLIAM BATES
Legal Status:	Private
Date Became Current:	20100405
Date Ended Current:	Not reported
Owner/Operator Address:	1195 EAST 7TH STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WILLIAM BATES
Legal Status:	Private
Date Became Current:	16000102
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, AK 99999
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WILLIAM BATES
Legal Status:	Private
Date Became Current:	20100405
Date Ended Current:	Not reported
Owner/Operator Address:	1195 EAST 7TH STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WILLIAM BATES
Legal Status:	Private
Date Became Current:	16000102
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, AK 99999
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

RIVER ASSOCIATES (FORMER UP THE CREEK MARINA) - 1195 EAST 7T (Continued) **1000345412**

Owner/Operator Email: Not reported

Historic Generators:

Receive Date:	19861209
Handler Name: CAMPASS MARINE CORP	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20100405
Handler Name: CAMPASS MARINE CORP	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334516
NAICS Description:	ANALYTICAL LABORATORY INSTRUMENT MANUFACTURING
NAICS Code:	339112
NAICS Description:	SURGICAL AND MEDICAL INSTRUMENT MANUFACTURING
NAICS Code:	44411
NAICS Description:	HOME CENTERS
NAICS Code:	621399
NAICS Description:	OFFICES OF ALL OTHER MISCELLANEOUS HEALTH PRACTITIONERS

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

RIVER ASSOCIATES (FORMER UP THE CREEK MARINA) - 1195 EAST 7T (Continued) **1000345412**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20100325
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110054548833

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B15 **UP THE CREEK RESTAURANT AND MARINA** **DE SHWS** **S107673566**
NNW **1195 EAST 7TH STREET** **DE INST CONTROL** **N/A**
1/8-1/4 **WILMINGTON, DE 19801**
0.218 mi.
1150 ft. **Site 4 of 4 in cluster B**

Relative:
Lower

Actual:
10 ft.

SHWS:

Name:	UP THE CREEK RESTAURANT AND MARINA
Address:	1195 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10153131
Site Type:	Other Retail
Care Of:	Not reported
PI ID:	129467
Prog ID:	DE-1384
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190313.09
YCoordinate NAD83 Meters:	192413.78
Latitude Dec:	39.733188
Longitude Dec:	-75.529748
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	59.4768
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.0928
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Name:	UP THE CREEK RESTAURANT AND MARINA
Address:	1195 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1384
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	01/08/2016
Restrictions:	1) Interference with the Remedy, 2) Limitation of Groundwater Withdrawal, 3) Compliance with LTS Plan, Compliance with CMMP.

16
WNW
1/8-1/4
0.233 mi.
1228 ft.

DP&L SUBSTATION/ DUPONT CHRISTINA LABS
SOUTH WILMINGTON
WILMINGTON, DE 19801

DE SHWS **S106177126**
N/A

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	DP&L SUBSTATION/ DUPONT CHRISTINA LABS
Address:	SOUTH WILMINGTON
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056264
Site Type:	Other
Care Of:	Not reported
PI ID:	27059
Prog ID:	DE-1074
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189692.88
YCoordinate NAD83 Meters:	192113.18
Latitude Dec:	39.727778
Longitude Dec:	-75.536385
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	40.0008
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	10.986
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

17
SSE
1/4-1/2
0.277 mi.
1463 ft.

CITY OF WILM. MARINE TERMINAL
TERMINAL AVENUE
WILMINGTON, DE 19801

DE SHWS **S104304169**
DE INST CONTROL **N/A**

Relative:
Lower

Actual:
7 ft.

SHWS:

Name:	CITY OF WILM. MARINE TERMINAL
Address:	TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056569
Site Type:	Other

CITY OF WILM. MARINE TERMINAL (Continued) **S104304169**

Care Of:	Not reported
PI ID:	27364
Prog ID:	DE-0099
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190599.97
YCoordinate NAD83 Meters:	190832.94
Latitude Dec:	39.718889
Longitude Dec:	-75.526107
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	8.0004
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	33.9852
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Name:	CITY OF WILM. MARINE TERMINAL
Address:	TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-0099
Report Title:	Deed Restriction Sites
Site Type:	Pre Remedial (PA/SI)
Deed Restriction Date:	02/05/1999
Restrictions:	NOW, THEREFORE, IT IS AGREED BY DAWM AND DWR AS FOLLOWS: 1. A GMZ shall be established to include Halby, Potts, Port and their Environs as defined both in the text and on the attached maps, Attachment 5 and Attachment 6. The GMZ will consist of two distinct areas with differing restrictions on wells. The GMZ A consists of the aerial extent of Halby and Potts. The GMZ B consists of the Environs impacted by Halby, Potts, and Port (both in the Columbia and Upper Potomac Aquifers) regardless of ownership and is physically bounded to the west by Route 9, the northwest by the Conrail Bridge crossing the Christina River, to the north by the Christina River, to the east at the Delaware River, and to the south by Interstate 295 and the Delaware Memorial Bridge. 2. No public or domestic water supply wells, will be allowed or permitted in GMZ A . Other types of wells

CITY OF WILM. MARINE TERMINAL (Continued) **S104304169**

may be approved following joint review and approval of both DWR and DAWM. 3. No public or domestic, water supply wells will be allowed or permitted in GMZ B in the unconfined Columbia Aquifer or the Upper Potomac Aquifer. Other water supply wells may be allowed and permitted in GMZ B provided that the construction of the wells will prevent transport of contaminants into the deeper aquifers. Water supply wells will be allowed and permitted in GMZ B in the deeper confined Lower Potomac Aquifer provided that the construction will prevent transport of contaminants down into the deeper aquifers. 4. Permits for any wells in either GMZ A or GMZ B may be issued by DWR following joint review and approval by both DWR and DAWM. This MOA may be modified or terminated only upon the agreement of both parties. Any modifications must be made in writing and signed by the Director of DAWM and the Director of DWR. A copy of this MOA will be placed within the Administrative Record for the Site.

C18 **DP/DUPONT CHRISTINA LABS-DP** **US BROWNFIELDS** **1012100341**
West **500 CHRISTIANA AVE** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.278 mi.
1469 ft. **Site 1 of 2 in cluster C**

Relative: **Lower**

Actual: **8 ft.**

US BROWNFIELDS:

Name:	DP/DUPONT CHRISTINA LABS-DP
Address:	500 CHRISTIANA AVE
City,State,Zip:	WILMINGTON, DE 19801
Recipient Name:	R3 TBA - Delaware (Pre-law Superfund TBA)
Grant Type:	TBA
Property Number:	-
Parcel size:	65
Latitude:	39.727778
Longitude:	-75.536389
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	10249
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	02/01/1998

DP/DUPONT CHRISTINA LABS-DP (Continued) **1012100341**

Ownership Entity:	-
Completion Date:	02/01/1998
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-

DP/DUPONT CHRISTINA LABS-DP (Continued) **1012100341**

Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	345
Below Poverty Percent:	28.26
Meidan Income:	12712
Meidan Income Number:	677
Meidan Income Percent:	55.45
Vacant Housing Number:	201
Vacant Housing Percent:	25.37
Unemployed Number:	96
Unemployed Percent:	7.86

C19 **DP/DUPONT CHRISTINA LABS-DUPONT** **US BROWNFIELDS** **1016348399**
West **500 CHRISTIANA AVE** **FINDS** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.278 mi.
1469 ft. **Site 2 of 2 in cluster C**

Relative: **Lower**
Actual: **8 ft.**

US BROWNFIELDS:

Name:	DP/DUPONT CHRISTINA LABS-DUPONT
Address:	500 CHRISTIANA AVE
City,State,Zip:	WILMINGTON, DE 19801
Recipient Name:	R3 TBA - Delaware (Pre-law Superfund TBA)
Grant Type:	TBA
Property Number:	-

DP/DUPONT CHRISTINA LABS-DUPONT (Continued) **1016348399**

Parcel size:	65
Latitude:	39.727778
Longitude:	-75.536389
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	10250
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	02/01/1998
Ownership Entity:	-
Completion Date:	02/01/1998
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-

DP/DUPONT CHRISTINA LABS-DUPONT (Continued) **1016348399**

No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-

DP/DUPONT CHRISTINA LABS-DUPONT (Continued) **1016348399**

Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	345
Below Poverty Percent:	28.26
Meidan Income:	12712
Meidan Income Number:	677
Meidan Income Percent:	55.45
Vacant Housing Number:	201
Vacant Housing Percent:	25.37
Unemployed Number:	96
Unemployed Percent:	7.86

FINDS:
Registry ID: 110038742377

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.
TSCA SUBMITTER
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

20
North
1/4-1/2
0.280 mi.
1476 ft.

SALVAGE YARD RELOCATION AREA II **DE SHWS** **S109484977**
0 I-495 NB **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	SALVAGE YARD RELOCATION AREA II
Address:	0 I-495 NB
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056509
Site Type:	Other
Care Of:	Not reported
PI ID:	27304
Prog ID:	DE-1166
Additional Info:	Federally Funded Brownfield
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190831.7
YCoordinate NAD83 Meters:	192275
Latitude Dec:	39.732752
Longitude Dec:	-75.523128
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	57.9072
Longitude Degrees:	-75

SALVAGE YARD RELOCATION AREA II (Continued) **S109484977**

Longitude Minutes:	31
Longitude Seconds:	23.2608
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	SALVAGE YARD RELOCATION AREA II
Address:	0 I-495 NB
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056509
Site Type:	Other
Care Of:	Not reported
PI ID:	27304
Prog ID:	DE-1166
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190831.7
YCoordinate NAD83 Meters:	192275
Latitude Dec:	39.732752
Longitude Dec:	-75.523128
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	57.9072
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	23.2608
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest

SALVAGE YARD RELOCATION AREA II (Continued) **S109484977**

GMZ Name: City of Wilmingtion - 1 Zone
AG Pres District: Not reported
Water District: Not reported
Mod Grid: Not reported

21
West
1/4-1/2
0.290 mi.
1533 ft.

POTTS PROPERTY
I-495 & CHRISTINA AVENUE
WILMINGTON, DE 19801

DE INST CONTROL **S103854239**
DE VCP **N/A**

Relative:
Lower

Actual:
5 ft.

Inst Control:
Name: POTTS PROPERTY
Address: I-495 & CHRISTINA AVENUE
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-0169
Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: 02/05/1999
Restrictions: NOW, THEREFORE, IT IS AGREED BY DAWM AND DWR AS FOLLOWS: 1. A GMZ shall be established to include Halby, Potts, Port and their Environs as defined both in the text and on the attached maps, Attachment 5 and Attachment 6. The GMZ will consist of two distinct areas with differing restrictions on wells. The GMZ A consists of the aerial extent of Halby and Potts. The GMZ B consists of the Environs impacted by Halby, Potts, and Port (both in the Columbia and Upper Potomac Aquifers) regardless of ownership and is physically bounded to the west by Route 9, the northwest by the Conrail Bridge crossing the Christina River, to the north by the Christina River, to the east at the Delaware River, and to the south by Interstate 295 and the Delaware Memorial Bridge. 2. No public or domestic water supply wells, will be allowed or permitted in GMZ A . Other types of wells may be approved following joint review and approval of both DWR and DAWM. 3. No public or domestic, water supply wells will be allowed or permitted in GMZ B in the unconfined Columbia Aquifer or the Upper Potomac Aquifer. Other water supply wells may be allowed and permitted in GMZ B provided that the construction of the wells will prevent transport of contaminants into the deeper aquifers. Water supply wells will be allowed and permitted in GMZ B in the deeper confined Lower Potomac Aquifer provided that the construction will prevent transport of contaminants down into the deeper aquifers. 4. Permits for any wells in either GMZ A or GMZ B may be issued by DWR following joint review and approval by both DWR and DAWM. This MOA may be modified or terminated only upon the agreement of both parties. Any modifications must be made in writing and signed by the Director of DAWM and the Director of DWR. A copy of this MOA will be placed within the Administrative Record for the Site.

Name: POTTS PROPERTY
Address: I-495 & CHRISTINA AVENUE
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-0169
Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: 02/07/1995
Restrictions: Not reported

Name: POTTS PROPERTY

POTTS PROPERTY (Continued) **S103854239**

Address: I-495 & CHRISTINA AVENUE
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-0169
Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: 05/30/2007
Restrictions: Restricted to non-residential use, no land disturbing activities without written approval from DNREC, no installation of groundwater wells and/or withdrawal of groundwater from any wells without written approval from DNREC and compliance with O&M Plan.

VCP:
Name: POTTS PROPERTY
Address: I-495 & CHRISTINA AVENUE
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 10053792
Program ID: DE-0169
Site Type: Other
Care Of: Not reported
Reference Pt: Unknown
Horizontal Method: Unknown
Loc Type: P
X Coordinate Nad83 Meters: 189957.7
Y Coordinate Nad83 Meters: 191027.85
Latitude Dec: 39.7199999
Longitude Dec: -75.534163
Latitude Degrees: 39
Latitude Minutes: 43
Latitude Seconds: 12
Longitude Degrees: -75
Longitude Minutes: 32
Longitude Seconds: 2.98680000
PO Name: Wilmington
Tax Id: Not reported
Sewer District: Unknown
Floodplain Zone Code: Not reported
Flood Plain Zone: Not reported
Basin: Piedmont
Watershed: Christina River
DRBC Basin: Y
Quad: WILMINGTON SOUTH
Senate District: 2
Senator: Senator Darius J. Brown
House District: 16
Representative: Representative Franklin D. Cooke
School District: Lake Forest
GMZ Name: City of Wilmingtion - 1 Zone
Ag Pres District: Not reported
Water District: Not reported
Mod Grid: Not reported

22
NNW
1/4-1/2
0.309 mi.
1630 ft.

EAST 7TH ST PENINSULA - SOUTH
7TH STREET
WILMINGTON, DE 19801

DE SHWS **S103684335**
N/A

Relative:
Lower

Actual:
13 ft.

SHWS:

Name:	EAST 7TH ST PENINSULA - SOUTH
Address:	7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056529
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27307
Prog ID:	DE-1127
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190197.46
YCoordinate NAD83 Meters:	192665.01
Latitude Dec:	39.734631
Longitude Dec:	-75.529817
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.6716
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.3412
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	EAST 7TH ST PENINSULA - SOUTH
Address:	7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056529
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27307
Prog ID:	DE-1127
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown

EAST 7TH ST PENINSULA - SOUTH (Continued) **S103684335**

Loc Type:	P
XCoordinate NAD83 Meters:	190197.46
YCoordinate NAD83 Meters:	192665.01
Latitude Dec:	39.734631
Longitude Dec:	-75.529817
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.6716
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.3412
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

23
SW
1/4-1/2
0.317 mi.
1673 ft.

FORMER NASCO BLDG.
FOOT OF CHRISTIANA AVENUE
WILMINGTON, DE 19801

DE LUST **S110838948**
N/A

Relative:
Lower

Actual:
6 ft.

LUST:

Name:	FORMER NASCO BLDG.
Address:	FOOT OF CHRISTIANA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10025308
Status:	Inactive
Date Closed:	**11/07/1996**
Project Number:	N9611188
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71985
Longitude:	-75.5326
Country Abv:	US
PI ID:	20084
Prog ID:	3-001740
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported

FORMER NASCO BLDG. (Continued) **S110838948**

Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

---

24 **SPILL LOCATION** **DE SWF/LF** **S109093555**
WSW **601 CHRISTIANA AVE** **DE SPILLS** **N/A**
1/4-1/2 **WILMINGTON, DE 19801** **DE AIRS**
0.322 mi.
1699 ft.

Relative: SWF/LF:
Lower

Actual:
10 ft.

Name:	DELAWARE C&D RECYLING
Address:	601 CHRISTIANA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10163251
PI Id:	223583
PI Name:	DELAWARE C&D RECYLING
Prog Id:	TS-0008
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Client Supplied-Method Unknown
Loc Type:	F
XCoordinate Nad83 meters:	0
YCoordinate Nad83 meters:	0
Latitude Dec:	39.718889
Longitude Dec:	-75.329167
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	8.0004
Longitude Degrees:	-75
Longitude Minutes:	19
Longitude Seconds:	45.0012
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Penns Grove
Zip5:	8069
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	PENNS GROVE
Senate District:	Not reported

SPILL LOCATION (Continued) **S109093555**

Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	DELAWARE RECYCLING CORP.
Address:	601 CHRISTIANA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10163251
PI Id:	24569
PI Name:	DELAWARE RECYCLING CORP.
Prog Id:	Not Assigned
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	SPILL LOCATION
Address:	601 CHRISTIANA AVE

SPILL LOCATION (Continued) **S109093555**

City,State,Zip: WILMINGTON, DE 19801
Facility ID: 1834
Release ID: 13082
Release Date: 04/23/2008
Hazardous: NO
Report Date: 04/23/2008
Release Location: 601 CHRISTIANA AVE, PORT OF WILMINGTON
Substance Release: WASTEWATER
Release Duration: Continuous
Est Quantity: Greater than 1000.00 GAL
Release To: GROUND;
Health Risk: none
Medical Attention: none
Prerecomm: None
Pub Notified: NO
Facility Contact: JESSIE SWEETMAN
Facility Contact Tele: 302-293-4192
Facility Contact Email: Not reported
Status: Final
Additional Info: SPILL OF WASTEWATER FROM A BROKEN SEWER LINE

AIRS:
Name: MATERIAL RECOVERY, INC CLOSED
Address: 601 CHRISTIANA AVENUE
City,State,Zip: WILMINGTON, DE 19801
Facility Id: 10001087
X Coordinate: No
Y Coordinate: No
Reference Point: Unknown
Horizontal Method: Client Supplied-Method Unknown
Latitude: 39.725634
Longitude: -75.445833
Watershed: Not reported
Basin: Not reported
State House District: Not reported
Representative: Not reported
State Senate District: Not reported
Senator: Not reported
School District: Not reported
Quad: PENNS GROVE
State Abbreviation: Not reported
Town: Not reported
PI ID: 1071
Prog ID: 1000300483
Additional Info: Not reported
CareOf: Not reported
ReferencePt: Unknown
HorizontalMethod: Client Supplied-Method Unknown
LocType: P
LatitudeDec: 39.725634
LongitudeDec: -75.445833
LatitudeDegrees: 39
LatitudeMinutes: 43
LatitudeSeconds: 32.2824
LongitudeDegrees: -75
LongitudeMinutes: 26
LongitudeSeconds: 44.9988

SPILL LOCATION (Continued) **S109093555**

County:	Not reported
State:	Not reported
Town:	Not reported
PO Name:	Penns Grove
ZIP5:	8069
TaxID:	Not reported
SewerDistrict:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC Basin:	Not reported
Quad:	PENNS GROVE
SenateDistrict:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	PENINSULA COMPOST COMPANY LLC
Address:	601 CHRISTIANA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10280465
X Coordinate:	Not reported
Y Coordinate:	Not reported
Reference Point:	Not reported
Horizontal Method:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Watershed:	Not reported
Basin:	Not reported
State House District:	Not reported
Representative:	Not reported
State Senate District:	Not reported
Senator:	Not reported
School District:	Not reported
Quad:	Not reported
State Abbreviation:	Not reported
Town:	Not reported
PI ID:	353435
Prog ID:	1000300828
Additional Info:	Not reported
CareOf:	Not reported
ReferencePt:	Not reported
HorizontalMethod:	Not reported
LocType:	Not reported
LatitudeDec:	Not reported
LongitudeDec:	Not reported
LatitudeDegrees:	Not reported
LatitudeMinutes:	Not reported
LatitudeSeconds:	Not reported
LongitudeDegrees:	Not reported
LongitudeMinutes:	Not reported

SPILL LOCATION (Continued) **S109093555**

LongitudeSeconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
PO Name:	Not reported
ZIP5:	Not reported
TaxID:	Not reported
SewerDistrict:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC Basin:	Not reported
Quad:	Not reported
SenateDistrict:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

D25 **DP/CONGO MARSH-CONGO** **US BROWNFIELDS** **1016348397**
WNW **1599 A ST** **FINDS** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.326 mi.
1723 ft. **Site 1 of 3 in cluster D**

Relative: **Lower**

Actual: **7 ft.**

US BROWNFIELDS:

Name:	DP/CONGO MARSH-CONGO
Address:	1599 A ST
City,State,Zip:	WILMINGTON, DE 19801
Recipient Name:	R3 TBA - Delaware (Pre-law Superfund TBA)
Grant Type:	TBA
Property Number:	-
Parcel size:	10
Latitude:	39.727778
Longitude:	-75.539167
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	10246
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-

DP/CONGO MARSH-CONGO (Continued) **1016348397**

Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	03/01/1999
Ownership Entity:	-
Completion Date:	03/01/1999
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-

DP/CONGO MARSH-CONGO (Continued) **1016348397**

Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	381
Below Poverty Percent:	28.84
Meidan Income:	13901
Meidan Income Number:	732
Meidan Income Percent:	55.41
Vacant Housing Number:	211
Vacant Housing Percent:	24.66
Unemployed Number:	101
Unemployed Percent:	7.65

FINDS:
Registry ID: 110038742359

DP/CONGO MARSH-CONGO (Continued) **1016348397**

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

D26 **DP/CONGO MARSH-DELMARVA POWER** **US BROWNFIELDS** **1014933333**
WNW **1599 A ST** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.326 mi.
1723 ft. **Site 2 of 3 in cluster D**

Relative:
Lower

Actual:
7 ft.

US BROWNFIELDS:

Name:	DP/CONGO MARSH-DELMARVA POWER
Address:	1599 A ST
City,State,Zip:	WILMINGTON, DE 19801
Recipient Name:	R3 TBA - Delaware (Pre-law Superfund TBA)
Grant Type:	TBA
Property Number:	-
Parcel size:	10
Latitude:	39.727778
Longitude:	-75.539167
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	10245
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	03/01/1999
Ownership Entity:	-
Completion Date:	03/01/1999
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-

DP/CONGO MARSH-DELMARVA POWER (Continued) **1014933333**

Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-

DP/CONGO MARSH-DELMARVA POWER (Continued) **1014933333**

Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	381
Below Poverty Percent:	28.84
Meidan Income:	13901
Meidan Income Number:	732
Meidan Income Percent:	55.41
Vacant Housing Number:	211
Vacant Housing Percent:	24.66
Unemployed Number:	101
Unemployed Percent:	7.65

27
NNW
1/4-1/2
0.327 mi.
1724 ft.

1190 E. 7TH ST
1190 EAST 7TH STREET
WILMINGTON, DE 19801

DE SHWS **S108514910**
DE BROWNFIELDS **N/A**

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	1190 E. 7TH ST
Address:	1190 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10154212
Site Type:	Landfill-Municipal/Industrial
Care Of:	Not reported
PI ID:	219999
Prog ID:	DE-1410
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P

1190 E. 7TH ST (Continued) **S108514910**

XCoordinate NAD83 Meters:	190211.07
YCoordinate NAD83 Meters:	192555.07
Latitude Dec:	39.734514
Longitude Dec:	-75.530879
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.2504
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	51.1644
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

DE BROWNFIELD:

Name:	1190 E. 7TH STREET PROPERTY
Address:	1190 E. 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1410
Certification Date:	6.06.07
Acreage:	1.44+/-

E28 **EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SI** **SEMS-ARCHIVE** **1001404181**
NNW **7TH ST. PENINSULA** **PRP** **DESFN0305397**
1/4-1/2 **WILMINGTON, DE 19801**
0.360 mi.
1900 ft. **Site 1 of 3 in cluster E**

Relative:
Lower

Actual:
14 ft.

SEMS Archive:

Site ID:	0305397
EPA ID:	DESFN0305397
Name:	EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE
Address:	7TH ST. PENINSULA
Address 2:	Not reported
City,State,Zip:	WILMINGTON, DE 19801
Cong District:	01
FIPS Code:	10003
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE (Continued) **1001404181**

SEMS Archive Detail:

Region:	03
Site ID:	0305397
EPA ID:	DESFN0305397
Site Name:	EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	2020-02-05 06:00:00
Finish Date:	2020-02-05 06:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	03
Site ID:	0305397
EPA ID:	DESFN0305397
Site Name:	EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1999-04-15 04:00:00
Finish Date:	2000-04-20 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0305397
EPA ID:	DESFN0305397
Site Name:	EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE
NPL:	N
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1999-03-02 05:00:00
Finish Date:	1999-03-02 05:00:00
Qual:	V
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0305397
EPA ID:	DESFN0305397
Site Name:	EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE
NPL:	N
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1998-10-30 05:00:00

EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE (Continued) **1001404181**

Finish Date:	1999-11-08 05:00:00
Qual:	C
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0305397
EPA ID:	DESFN0305397
Site Name:	EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1999-04-15 04:00:00
Finish Date:	2000-04-20 04:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0305397
EPA ID:	DESFN0305397
Site Name:	EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE
NPL:	N
FF:	N
OU:	00
Action Code:	AS
Action Name:	AIR SRVY
SEQ:	1
Start Date:	1999-05-19 04:00:00
Finish Date:	2020-02-05 06:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0305397
EPA ID:	DESFN0305397
Site Name:	EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1998-09-01 04:00:00
Finish Date:	1998-09-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0305397
EPA ID:	DESFN0305397
Site Name:	EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE
NPL:	N
FF:	N
OU:	00
Action Code:	RS

EAST 7TH STREET DRUM SITE -AKA- WILMINGTON DRUM SITE (Continued) **1001404181**

Action Name:	RV ASSESS
SEQ:	1
Start Date:	1998-10-14 04:00:00
Finish Date:	1998-10-21 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

PRP:

PRP Name:	EAGLE CONSTRUCTION, INC.

D29
WNW
1/4-1/2
0.362 mi.
1912 ft.

DP&L/ CONGO MARSH **DE SHWS** **S102411356**
CHRISTINA AVENUE **N/A**
WILMINGTON, DE 19801

Site 3 of 3 in cluster D

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	DP&L/ CONGO MARSH
Address:	CHRISTINA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056263
Site Type:	Other
Care Of:	Not reported
PI ID:	27058
Prog ID:	DE-1073
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189453.99
YCoordinate NAD83 Meters:	191812.3
Latitude Dec:	39.727778
Longitude Dec:	-75.539162
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	40.0008
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	20.9832
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

E30 **PENINSULA VENTURES** **DE SHWS** **S108514891**
NNW **1170, 1155, 1145 EAST 7TH STREET** **DE INST CONTROL** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.368 mi.
1942 ft. **Site 2 of 3 in cluster E**

Relative:
Lower

Actual:
14 ft.

SHWS:

Name:	PENINSULA VENTURES
Address:	1170, 1155, 1145 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056350
Site Type:	Other
Care Of:	Not reported
PI ID:	27145
Prog ID:	DE-1294
Additional Info:	Federally Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190409.19
YCoordinate NAD83 Meters:	192699.99
Latitude Dec:	39.735822
Longitude Dec:	-75.528241
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	8.9592
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	41.6676
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Name:	PENINSULA VENTURES
Address:	1170, 1155, 1145 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056350
Site Type:	Other
Care Of:	Not reported
PI ID:	27145
Prog ID:	DE-1294
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto

PENINSULA VENTURES (Continued) **S108514891**

Loc Type:	P
XCoordinate NAD83 Meters:	190409.19
YCoordinate NAD83 Meters:	192699.99
Latitude Dec:	39.735822
Longitude Dec:	-75.528241
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	8.9592
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	41.6676
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Inst Control:

Name:	PENINSULA VENTURES
Address:	1170, 1155, 1145 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1294
Report Title:	Deed Restriction Sites
Site Type:	Federally Funded Brownfield
Deed Restriction Date:	12/17/2004
Restrictions:	Limited to non-residential use, no land disturbing activity without prior written approval from DNREC, limitation of groundwater withdrawal without prior written approval from DNREC, and compliance with O&M Plan.

Name:	PENINSULA VENTURES
Address:	1170, 1155, 1145 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1294
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	12/17/2004
Restrictions:	Limited to non-residential use, no land disturbing activity without prior written approval from DNREC, limitation of groundwater withdrawal without prior written approval from DNREC, and compliance with O&M Plan.

E31 **EAST 7TH ST PENINSULA DRUM SITE** **DE SHWS** **S106706599**
NNW **EAST 7TH STREET PENINSULA** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.382 mi.
2016 ft. **Site 3 of 3 in cluster E**

Relative: **Lower**

Actual: **14 ft.**

SHWS:

Name:	EAST 7TH ST PENINSULA DRUM SITE
Address:	EAST 7TH STREET PENINSULA
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056529
Site Type:	Not reported
Care Of:	Not reported
PI ID:	27324
Prog ID:	DE-1148
Additional Info:	EPA Removal Action Site
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190452.16
YCoordinate NAD83 Meters:	192728.03
Latitude Dec:	39.736041
Longitude Dec:	-75.528045
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	9.7476
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	40.962
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	EAST 7TH ST PENINSULA DRUM SITE
Address:	EAST 7TH STREET PENINSULA
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056529
Site Type:	Not reported
Care Of:	Not reported
PI ID:	27324
Prog ID:	DE-1148
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown

EAST 7TH ST PENINSULA DRUM SITE (Continued) **S106706599**

Loc Type:	P
XCoordinate NAD83 Meters:	190452.16
YCoordinate NAD83 Meters:	192728.03
Latitude Dec:	39.736041
Longitude Dec:	-75.528045
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	9.7476
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	40.962
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

F32 **PORT OF WILMINGTON WAREHOUSE H** **DE VCP** **S111766362**
South **N/A**
1/4-1/2 **NEW CASTLE (County), DE 19801**
0.422 mi.
2227 ft. **Site 1 of 2 in cluster F**

Relative: VCP:
Lower

Actual: **8 ft.**

Name:	PORT OF WILMINGTON WAREHOUSE H
Address:	Not reported
City,State,Zip:	DE 19801
Facility ID:	10153008
Program ID:	DE-1341
Site Type:	Warehouse
Care Of:	Not reported
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
X Coordinate Nad83 Meters:	190750.7
Y Coordinate Nad83 Meters:	190487.67
Latitude Dec:	39.7159559
Longitude Dec:	-75.524615
Latitude Degrees:	39
Latitude Minutes:	42
Latitude Seconds:	57.4416000
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	28.6175999
PO Name:	Wilmington

PORT OF WILMINGTON WAREHOUSE H (Continued) **S111766362**

Tax Id:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

G33 **FORMER STRAIGHT LINE FILTERS** **DE SHWS** **S110477204**
SW **701 CHRISTINA AVENUE** **DE INST CONTROL** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.423 mi.
2234 ft. **Site 1 of 7 in cluster G**

Relative:
Lower

Actual:
4 ft.

SHWS:

Name:	FORMER STRAIGHT LINE FILTERS
Address:	701 CHRISTINA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10374236
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	454310
Prog ID:	DE-1488
Additional Info:	State Funded Brownfield
Reference Pt:	Facility Entance(General)
Horizontal Method:	Address Matching-House Number
Loc Type:	P
XCoordinate NAD83 Meters:	190112.28
YCoordinate NAD83 Meters:	190673.34
Latitude Dec:	39.717494
Longitude Dec:	-75.532046
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	2.9784
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.3656
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X500
Flood Plain Zone:	Located outside 100-year floodplain, subject to flooding during the 500-year flood event.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown

FORMER STRAIGHT LINE FILTERS (Continued) **S110477204**

House District: 16
Representative: Representative Franklin D. Cooke
School District: Lake Forest
GMZ Name: Not reported
AG Pres District: Not reported
Water District: Not reported
Mod Grid: 112-352

Inst Control:
Name: FORMER STRAIGHT LINE FILTERS
Address: 701 CHRISTINA AVENUE
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1488
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 07/31/2012
Restrictions: Use restriction to commercial; no land disturbing activity without prior written approval from DNREC;limitation of groundwater; and compliance with LTS plan.

G34 **FORMER STRAIGHT LINE FILTERS SITE** **DE BROWNFIELDS** **S110477192**
SW **701 CHRISTIANA AVENUE** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.423 mi.
2234 ft. **Site 2 of 7 in cluster G**

Relative:
Lower

Actual:
4 ft.

DE BROWNFIELD:
Name: FORMER STRAIGHT LINE FILTERS SITE
Address: 701 CHRISTIANA AVENUE
City,State,Zip: WILMINGTON, DE 19801
edr_fcity: WILMINGTON
Facility ID: DE-1448
Certification Date: 5.26.2010
Acreage: 1.91+/-

G35 **CHRISTINA AVENUE A** **US BROWNFIELDS** **1023619337**
SW **612 CHRISTINA AVENUE RTE 9 CHRISTINA AVENUE (SOUTH OF I-495)** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.427 mi.
2256 ft. **Site 3 of 7 in cluster G**

Relative:
Lower

Actual:
5 ft.

US BROWNFIELDS:
Name: CHRISTINA AVENUE A
Address: 612 CHRISTINA AVENUE RTE 9 CHRISTINA AVENUE (SOUTH OF I-495)
City,State,Zip: WILMINGTON, DE 19801
Recipient Name: R3 TBA - Delaware (Pre-law Superfund TBA)
Grant Type: TBA
Property Number: -
Parcel size: 2.8
Latitude: 39.717473201887266
Longitude: -75.53201321744382
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: -
Datum: -

CHRISTINA AVENUE A (Continued) **1023619337**

Acres Property ID:	10252
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	04/01/1997
Ownership Entity:	-
Completion Date:	04/01/1997
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-

CHRISTINA AVENUE A (Continued) **1023619337**

PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	-

CHRISTINA AVENUE A (Continued) **1023619337**

Below Poverty Percent:	-
Meidan Income:	-
Meidan Income Number:	-
Meidan Income Percent:	-
Vacant Housing Number:	-
Vacant Housing Percent:	-
Unemployed Number:	-
Unemployed Percent:	-

H36 **EASTSIDE/SOUTH WILMINGTON** **DE SHWS** **S102021048**
NW **CHRISTINA AVENUE** **DE INST CONTROL** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.436 mi.
2302 ft. **Site 1 of 3 in cluster H**

Relative: **Lower**
Actual: **5 ft.**

SHWS:

Name:	EASTSIDE/SOUTH WILMINGTON
Address:	CHRISTINA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056571
Site Type:	Other
Care Of:	Not reported
PI ID:	27366
Prog ID:	DE-1052
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189453.73
YCoordinate NAD83 Meters:	191948.58
Latitude Dec:	39.730739
Longitude Dec:	-75.539292
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	50.6604
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	21.4512
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	EASTSIDE/SOUTH WILMINGTON

EASTSIDE/SOUTH WILMINGTON (Continued) **S102021048**

Address:	CHRISTINA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056571
Site Type:	Other
Care Of:	Not reported
PI ID:	27366
Prog ID:	DE-1052
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189453.73
YCoordinate NAD83 Meters:	191948.58
Latitude Dec:	39.730739
Longitude Dec:	-75.539292
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	50.6604
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	21.4512
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Name:	EASTSIDE/SOUTH WILMINGTON
Address:	CHRISTINA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1052
Report Title:	Deed Restriction Sites
Site Type:	HSCA
Deed Restriction Date:	Not reported
Restrictions:	The Entire site is within the Wilmington GMZ

Name:	EASTSIDE/SOUTH WILMINGTON
Address:	CHRISTINA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1052
Report Title:	Deed Restriction Sites
Site Type:	Pre Remedial (PA/SI)
Deed Restriction Date:	Not reported

EASTSIDE/SOUTH WILMINGTON (Continued) **S102021048**

Restrictions: The Entire site is within the Wilmington GMZ

I37 **HALBY CHEMICAL** **DE SHWS** **S102519368**
WSW **600 TERMINAL AVENUE** **DE INST CONTROL** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.442 mi.
2332 ft. **Site 1 of 2 in cluster I**

Relative:
Lower

Actual:
4 ft.

SHWS:

Name:	HALBY CHEMICAL
Address:	600 TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10054300
Site Type:	Chemical Plant
Care Of:	Not reported
PI ID:	27286
Prog ID:	DE-0067
Additional Info:	NPL
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189660.04
YCoordinate NAD83 Meters:	190936.95
Latitude Dec:	39.720278
Longitude Dec:	-75.536662
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	13.0008
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	11.9832
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Name:	HALBY CHEMICAL
Address:	600 TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-0067
Report Title:	Deed Restriction Sites
Site Type:	NPL

HALBY CHEMICAL (Continued) **S102519368**

Deed Restriction Date: 01/22/1998
Restrictions: Zone A

I38 **NRDA HALBY** **DE SHWS** **S109484984**
WSW **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.442 mi.
2332 ft. **Site 2 of 2 in cluster I**

Relative: SHWS:
Lower

Actual:
4 ft.

Name:	NRDA HALBY
Address:	Not reported
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056197
Site Type:	Other
Care Of:	Not reported
PI ID:	26992
Prog ID:	DE-1191
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188672.6
YCoordinate NAD83 Meters:	186285.65
Latitude Dec:	39.720278
Longitude Dec:	-75.536662
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	13.0008
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	11.9832
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Delaware Bay
Watershed:	Delaware River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	17
Representative:	Representative Melissa Minor-Brown
School District:	Lake Forest
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-342

39
SSW
1/4-1/2
0.442 mi.
2333 ft.

GEORGIA PACIFIC
TERMINAL AVENUE
WILMINGTON, DE 19801

DE LUST **S111027502**
N/A

Relative:
Lower

Actual:
6 ft.

LUST:

Name:	GEORGIA PACIFIC
Address:	TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10153008
Status:	Inactive
Date Closed:	**01/20/1994**
Project Number:	N9212280
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71679
Longitude:	-75.5307
Country Abv:	US
PI ID:	19089
Prog ID:	3-000314
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

J40
NNW
1/4-1/2
0.448 mi.
2367 ft.

KALMAR NYCKEL/CHALLENGE PROGRAM
1112 & 1120 EAST SEVENTH STREET
WILMINGTON, DE 19801

Site 1 of 2 in cluster J

US BROWNFIELDS FINDS **1016603810**
N/A

Relative:
Lower

Actual:
8 ft.

US BROWNFIELDS:

Name:	KALMAR NYCKEL/CHALLENGE PROGRAM
Address:	1112 & 1120 EAST SEVENTH STREET
City,State,Zip:	WILMINGTON, DE 19801
Recipient Name:	Delaware Department of Natural Resources and Environmental Control
Grant Type:	Section 128(a) State/Tribal
Property Number:	26-044.00-012 & 26-044.00-010
Parcel size:	3.36
Latitude:	39.7359201
Longitude:	-75.53220550000003
HCM Label:	Address Matching-House Number

KALMAR NYCKEL/CHALLENGE PROGRAM (Continued) **1016603810**

Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	81961
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	4833
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - State & Tribal Section 128(a) Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	98393001
Start Date:	04/17/2008
Ownership Entity:	Government
Completion Date:	11/01/2008
Current Owner:	City of Wilmington
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	04/17/2008
State/tribal program ID:	DE-0339
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	Y

KALMAR NYCKEL/CHALLENGE PROGRAM (Continued) **1016603810**

Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	3.36
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	Y
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-

KALMAR NYCKEL/CHALLENGE PROGRAM (Continued) **1016603810**

Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	259
Below Poverty Percent:	16.79
Meidan Income:	5558
Meidan Income Number:	367
Meidan Income Percent:	23.78
Vacant Housing Number:	3
Vacant Housing Percent:	1.17
Unemployed Number:	43
Unemployed Percent:	2.79

FINDS:
Registry ID: 110059656689

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

J41 **PENINSULA VENTURES** **DE BROWNFIELDS** **S106058133**
NNW **7TH AND INDUSTRIAL STREETS** **N/A**
1/4-1/2 **WILMINGTON, DE**
0.449 mi.
2370 ft. **Site 2 of 2 in cluster J**

Relative: **Lower**
Actual: **8 ft.**

DE BROWNFIELD:

Name:	PENINSULA VENTURES
Address:	7TH AND INDUSTRIAL STREETS
City,State,Zip:	WILMINGTON, DE
edr_fcity:	WILMINGTON
Facility ID:	DE-1294
Certification Date:	10.27.03
Acreage:	16.70+/-

F42 **PORT OF WILMINGTON, DOLE OPERATIONS** **DE LUST** **S111027504**
South **GIST ROAD** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.462 mi.
2437 ft. **Site 2 of 2 in cluster F**

Relative: **Lower**
Actual: **8 ft.**

LUST:

Name:	PORT OF WILMINGTON, DOLE OPERATIONS
Address:	GIST ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10153008
Status:	Inactive
Date Closed:	**10/22/1999**
Project Number:	N9910219
Watershed:	Christina River
Basin:	Piedmont

PORT OF WILMINGTON, DOLE OPERATIONS (Continued) **S111027504**

Latitude:	39.71542
Longitude:	-75.5249
Country Abv:	US
PI ID:	20268
Prog ID:	3-002022
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

H43 **FORMER NEW ARC WELDING SITE** **DE BROWNFIELDS** **S125163543**
NW **30 COMMERCE STREET** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.463 mi.
2445 ft. **Site 2 of 3 in cluster H**

Relative: **Lower**
Actual: **4 ft.**

DE BROWNFIELD:

Name:	FORMER NEW ARC WELDING SITE
Address:	30 COMMERCE STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1345
Certification Date:	10.23.2018
Acreage:	29.41+/-

H44 **COATINGS INC** **DE SHWS** **S107710548**
NW **30 COMMERCE ST** **DE VCP** **N/A**
1/4-1/2 **WILMINGTON, DE 19801** **DE AIRS**
0.463 mi. **DE TIER 2**
2445 ft. **Site 3 of 3 in cluster H**

Relative: **Lower**
Actual: **4 ft.**

SHWS:

Name:	FORMER NEW ARC WELDING SITE
Address:	30 COMMERCE STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10058799
Site Type:	Commercial Development
Care Of:	Not reported
PI ID:	29603

COATINGS INC (Continued) **S107710548**

Prog ID:	DE-1345
Additional Info:	State Funded Brownfield
Reference Pt:	Facility Entance(General)
Horizontal Method:	Address Matching-House Number
Loc Type:	P
XCoordinate NAD83 Meters:	189833.6
YCoordinate NAD83 Meters:	192558.56
Latitude Dec:	39.734502
Longitude Dec:	-75.535164
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.2072
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	6.5904
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-354

VCP:

Name:	FORMER NEW ARC WELDING SITE
Address:	30 COMMERCE STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10058799
Program ID:	DE-1345
Site Type:	Commercial Development
Care Of:	Not reported
Reference Pt:	Facility Entance(General)
Horizontal Method:	Address Matching-House Number
Loc Type:	P
X Coordinate Nad83 Meters:	189833.6
Y Coordinate Nad83 Meters:	192558.56
Latitude Dec:	39.7345019
Longitude Dec:	-75.535163
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.20720000
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	6.59039999
PO Name:	Wilmington
Tax Id:	Not reported

COATINGS INC (Continued) **S107710548**

Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-354

AIRS:

Name:	COATINGS INC
Address:	30 COMMERCE STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10054359
X Coordinate:	Not reported
Y Coordinate:	Not reported
Reference Point:	Not reported
Horizontal Method:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Watershed:	Not reported
Basin:	Not reported
State House District:	Not reported
Representative:	Not reported
State Senate District:	Not reported
Senator:	Not reported
School District:	Not reported
Quad:	Not reported
State Abbreviation:	Not reported
Town:	Not reported
PI ID:	24140
Prog ID:	1000300584
Additional Info:	Not reported
CareOf:	Not reported
ReferencePt:	Not reported
HorizontalMethod:	Not reported
LocType:	Not reported
LatitudeDec:	Not reported
LongitudeDec:	Not reported
LatitudeDegrees:	Not reported
LatitudeMinutes:	Not reported
LatitudeSeconds:	Not reported
LongitudeDegrees:	Not reported
LongitudeMinutes:	Not reported
LongitudeSeconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
PO Name:	Not reported

COATINGS INC (Continued) **S107710548**

ZIP5:	Not reported
TaxID:	Not reported
SewerDistrict:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC Basin:	Not reported
Quad:	Not reported
SenateDistrict:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

TIER 2:

Name:	COATINGS, INC.
Address:	30 COMMERCE ST
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	669
Tier II Report Yr:	2017
Facility Corporate Name:	Coatings, Inc.
EHS Year:	Not reported
CAS Number:	N/A
Chemical:	diesel fuel
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2017
Owner Operator Name:	COATINGS, INC.
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026611962
Compliance Contact Company:	Stephen Chicosky, Jr.
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2017
Facility Corporate Name:	Coatings, Inc.
EHS Year:	Not reported
CAS Number:	N/A
Chemical:	paints
Facility Status:	ACTIVE
Is EHS:	No

COATINGS INC (Continued) **S107710548**

Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: COATINGS, INC.
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026611962
Compliance Contact Company: Stephen Chicosky, Jr.
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2009
Facility Corporate Name: COATINGS INC
EHS Year: Not reported
CAS Number: N/A
Chemical: DIESEL FUEL
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: BRUCE D BLAIR
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026611962
Compliance Contact Company: BRUCE D BLAIR
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026611962

Tier II Report Yr: 2009
Facility Corporate Name: COATINGS INC
EHS Year: Not reported
CAS Number: N/A
Chemical: PAINT LIQUID (COMBUSTIBLE)
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: BRUCE D BLAIR
Owner Operator Address: Not reported

COATINGS INC (Continued) **S107710548**

Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026611962
Compliance Contact Company: BRUCE D BLAIR
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026611962

Tier II Report Yr: 2019
Facility Corporate Name: Coatings, Inc.
EHS Year: Not reported
CAS Number: N/A
Chemical: diesel fuel
Facility Status: INACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: COATINGS, INC.
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3022184608
Compliance Contact Company: Stephen Chicosky, Jr.
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3022184608

Tier II Report Yr: 2019
Facility Corporate Name: Coatings, Inc.
EHS Year: Not reported
CAS Number: N/A
Chemical: paints
Facility Status: INACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: COATINGS, INC.
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3022184608
Compliance Contact Company: Stephen Chicosky, Jr.
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported

COATINGS INC (Continued) **S107710548**

Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3022184608

Tier II Report Yr:	2016
Facility Corporate Name:	Coatings, Inc.
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	diesel fuel
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Tier II Report Yr:	2016
Facility Corporate Name:	Coatings, Inc.
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	paints
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

G45 **BUCKEYE PORT WILMINGTON TERMINAL** **DE LAST** **S108630328**
SW **1050 CHRISTIANA AVENUE** **DE SPILLS** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.467 mi.
2467 ft. **Site 4 of 7 in cluster G**

Relative: **Lower**
Actual: **5 ft.**

LAST:

Name:	BUCKEYE PORT WILMINGTON TERMINAL
Address:	1050 CHRISTIANA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10375385
PI ID:	218601
Prog ID:	7-000125
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.710511
Longitude:	-75.530259
Care Of:	Not reported
Reference Pt:	Facility Entance(General)
Horizontal Method:	Address Matching-House Number
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke

BUCKEYE PORT WILMINGTON TERMINAL (Continued) **S108630328**

School District: Lake Forest
GMZ Name: Not reported
Ag Pres District: Not reported
Water District: Not reported
Mod Grid: 112-350
Additional Info: Not reported

Name: SPILL LOCATION
Address: 1050 CHRISTIANA AVE
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 4377
Release ID: 15997
Release Date: 06/25/2018
Hazardous: NO
Report Date: 06/25/2018
Release Location: 1050 CHRISTIANA AVEWILMINGTON, DE 19801
Substance Release: GASOLINE
Release Duration: Continuous
Est Quantity: Equal To 57.00 GALLONS
Release To: GROUND;
Health Risk: GASOLINEThe following chemical information was taken from the CAMEO Chemical database.Irritation of mucous membranes and stimulation followed by depression of central nervous system. Breathing of vapor may also cause dizziness, headache, and incoordination or, in more severe cases, anesthesia, coma, and respiratory arrest. If liquid enters lungs, it will cause severe irritation, coughing, gagging, pulmonary edema, and, later, signs of bronchopneumonia and pneumonitis. Swallowing may cause irregular heartbeat. (USCG, 1999)
Medical Attention: GASOLINEThe following chemical information was taken from the CAMEO Chemical database.Eye: If this chemical contacts the eyes, immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately. Contact lenses should not be worn when working with this chemical. Skin: If this chemical contacts the skin, immediately flush the contaminated skin with soap and water. If this chemical penetrates the clothing, immediately remove the clothing and flush the skin with water. If irritation persists after washing, get medical attention. Breathing: If a person breathes large amounts of this chemical, move the exposed person to fresh air at once. If breathing has stopped, perform mouth-to-mouth resuscitation. Keep the affected person warm and at rest. Get medical attention as soon as possible. Swallow: If this chemical has been swallowed, get medical attention immediately. (NIOSH, 1997)
Prerecomm: None
Pub Notified: NO
Facility Contact: MAGELLAN MIDSTREAM PARTNERS
Facility Contact Tele: Not reported
Facility Contact Email: Not reported
Status: Final
Additional Info: ON THE ABOVE DATE AND TIME AN ESTIMATED 57 GALLONS OF GASOLINE WAS SPILLED IN THE ABOVE LOCATION. THE SPILLED OCCURRED DURING REFUELING OPERATIONS. THE SPILL WAS

BUCKEYE PORT WILMINGTON TERMINAL (Continued) **S108630328**

CONFINED TO A CONTAINMENT AREA AND IMMEDIATELY CLEANED UP.
NO PRODUCT WAS RELEASED TO THE ENVIRONMENT.

G46 **SICO BULK FACILITY, WILMINGTON (B)** **DE LUST** **S107553554**
SW **1050 CHRISTINA AVENUE** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.467 mi.
2467 ft. **Site 5 of 7 in cluster G**

Relative: **Lower**

Actual: **5 ft.**

LUST:

Name:	DELAWARE TERMINAL
Address:	1050 CHRISTINA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10375385
Status:	Inactive
Date Closed:	**09/20/1995**
Project Number:	N9509212
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71077
Longitude:	-75.5320
Country Abv:	US
PI ID:	18448
Prog ID:	9-000054
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	SICO BULK FACILITY
Address:	1050 CHRISTINA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10375385
Status:	Inactive
Date Closed:	**07/03/1996**
Project Number:	N9607124
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71233
Longitude:	-75.5307
Country Abv:	US

SICO BULK FACILITY, WILMINGTON (B) (Continued) **S107553554**

PI ID:	20642
Prog ID:	3-000377
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	SICO BULK FACILITY, WILMINGTON (B)
Address:	1050 CHRISTINA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10375385
Status:	Inactive
Date Closed:	**10/12/2001**
Project Number:	N0106049
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71233
Longitude:	-75.5307
Country Abv:	US
PI ID:	20642
Prog ID:	3-000377
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported

SICO BULK FACILITY, WILMINGTON (B) (Continued) **S107553554**

Water District: Not reported
Mod Grid: Not reported

G47 **BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL** **SEMS-ARCHIVE** **1000440331**
SW **1050 CHRISTINA AVENUE** **RCRA-SQG** **DED073750796**
1/4-1/2 **WILMINGTON, DE 19801** **FINDS**
0.467 mi. **NY MANIFEST**
2467 ft. **Site 6 of 7 in cluster G**

Relative:
Lower

Actual:
5 ft.

SEMS Archive:

Site ID:	0300076
EPA ID:	DED073750796
Name:	CITY OF WILMINGTON MARINE TERMINAL
Address:	DELAWARE & CHRISTINA AVE
Address 2:	Not reported
City,State,Zip:	WILMINGTON, DE 19801
Cong District:	01
FIPS Code:	10003
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	03
Site ID:	0300076
EPA ID:	DED073750796
Site Name:	CITY OF WILMINGTON MARINE TERMINAL
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1987-12-17 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	03
Site ID:	0300076
EPA ID:	DED073750796
Site Name:	CITY OF WILMINGTON MARINE TERMINAL
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1985-05-30 05:00:00
Finish Date:	1985-05-30 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0300076
EPA ID:	DED073750796
Site Name:	CITY OF WILMINGTON MARINE TERMINAL
NPL:	N

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1987-12-17 05:00:00
Qual:	N
Current Action Lead:	EPA Perf

RCRA-SQG:

Date Form Received by Agency:	20210901
Handler Name:	BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL
Handler Address:	1050 CHRISTINA AVENUE
Handler City,State,Zip:	WILMINGTON, DE 19801
EPA ID:	DED073750796
Contact Name:	TIM CONLIN
Contact Address:	CHRISTINA AVENUE
Contact City,State,Zip:	WILMINGTON, DE 19801
Contact Telephone:	484-250-5921
Contact Fax:	Not reported
Contact Email:	TCONLIN@BUCKEYE.COM
Contact Title:	HSSE COMPLIANCE
EPA Region:	03
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CHRISTINA AVENUE
Mailing City,State,Zip:	WILMINGTON, DE 19801
Owner Name:	BUCKEYE TERMINALS, LLC
Owner Type:	Private
Operator Name:	BUCKEYE TERMINALS, LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210901
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D005
Waste Description: BARIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D018
Waste Description: BENZENE

Waste Code: D019
Waste Description: CARBON TETRACHLORIDE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D034
Waste Description: HEXACHLOROETHANE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: K049
Waste Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K051
Waste Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K052
Waste Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K071
Waste Description: BRINE PURIFICATION MUDS FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION, IN WHICH SEPARATELY PREPURIFIED BRINE IS NOT USED.

Waste Code: K106
Waste Description: WASTEWATER TREATMENT SLUDGE FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION.

Waste Code: P110
Waste Description: PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: MAGELLAN TERMINALS HOLDINGS
Legal Status: Private
Date Became Current: 20050901
Date Ended Current: Not reported
Owner/Operator Address: ONE WILLIAMS CENTER
Owner/Operator City,State,Zip: TULSA, OK 74172
Owner/Operator Telephone: 918-574-7000

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MAGELLAN TERMINALS HOLDINGS
Legal Status: Private
Date Became Current: 20050901
Date Ended Current: Not reported
Owner/Operator Address: ONE WILLIAMS CENTER
Owner/Operator City,State,Zip: TULSA, OK 74172
Owner/Operator Telephone: 918-574-7000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MAGELLAN TERMINALS HOLDINGS
Legal Status: Private
Date Became Current: 20050901
Date Ended Current: Not reported
Owner/Operator Address: ONE WILLIAMS CENTER
Owner/Operator City,State,Zip: TULSA, OK 74172
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: DELAWARE TERMINAL COMPANY
Legal Status: Private
Date Became Current: 16000102
Date Ended Current: Not reported
Owner/Operator Address: OWNERSTREET
Owner/Operator City,State,Zip: OWNERCITY, AK 99999
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: DELAWARE TERMINAL COMPANY
Legal Status: Private
Date Became Current: 16000102
Date Ended Current: Not reported
Owner/Operator Address: 1050 CHRISTINA AVE
Owner/Operator City,State,Zip: WILMINGTON, DE 19801
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MAGELLAN TERMINALS HOLDINGS
Legal Status: Private
Date Became Current: 20050901
Date Ended Current: Not reported

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BUCKEYE PT TERMINALS LP
Legal Status:	Private
Date Became Current:	20200320
Date Ended Current:	Not reported
Owner/Operator Address:	9999 HAMILTON BOULEVARD
Owner/Operator City,State,Zip:	BREINIGSVILLE, PA 18031
Owner/Operator Telephone:	610-904-4467
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MBONENBERGER@BUCKEYE.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	19730901
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	19730901
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	16000102
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, AK 99999
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	DELAWARE TERMINAL COMPANY

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Legal Status:	Private
Date Became Current:	16000102
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, AK 99999
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	19730109
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	20040206
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	16000102
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MAGELLAN MIDSTREAM PARTNERS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 22186, MD 29
Owner/Operator City,State,Zip:	TULSA, OK 74121-2186
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BUCKEYE TERMINALS, LLC
Legal Status:	Private
Date Became Current:	20200320
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BUCKEYE TERMINALS, LLC
Legal Status:	Private
Date Became Current:	20200320
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	19730109
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MAGELLAN TERMINAL HOLDINGS, L.P.
Legal Status:	Private
Date Became Current:	20550901
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	19730109
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	19730109
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BUCKEYE TERMINALS, LLC
Legal Status:	Private
Date Became Current:	20200320
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	19730901
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Owner/Operator City,State,Zip: WILMINGTON, DE 19801
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DELAWARE TERMINAL COMPANY
Legal Status: Private
Date Became Current: 20040206
Date Ended Current: Not reported
Owner/Operator Address: 1050 CHRISTINA AVE
Owner/Operator City,State,Zip: WILMINGTON, DE 19801
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MAGELLAN TERMINALS HOLDINGS
Legal Status: Private
Date Became Current: 20050901
Date Ended Current: Not reported
Owner/Operator Address: ONE WILLIAMS CENTER
Owner/Operator City,State,Zip: TULSA, OK 74172
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MAGELLAN TERMINALS HOLDINGS
Legal Status: Private
Date Became Current: 20050901
Date Ended Current: Not reported
Owner/Operator Address: ONE WILLIAMS CENTER
Owner/Operator City,State,Zip: TULSA, OK 74172
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MAGELLAN TERMINALS HOLDINGS
Legal Status: Private
Date Became Current: 20050901
Date Ended Current: Not reported
Owner/Operator Address: ONE WILLIAMS CENTER
Owner/Operator City,State,Zip: TULSA, OK 74172
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BUCKEYE TERMINALS, LLC
Legal Status: Private

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Date Became Current:	20200320
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	918-574-7000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	16000102
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	20040206
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS, L.P.
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 22186 MARYLAND 27-3
Owner/Operator City,State,Zip:	TULSA, OK 74121-2186
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	16000102
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, AK 99999
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	16000102
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	20040206
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVE
Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	918-574-7000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	DELAWARE TERMINAL COMPANY
Legal Status:	Private
Date Became Current:	19730901
Date Ended Current:	Not reported
Owner/Operator Address:	1050 CHRISTINA AVENUE

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Owner/Operator City,State,Zip:	WILMINGTON, DE 19801
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MAGELLAN TERMINALS HOLDINGS
Legal Status:	Private
Date Became Current:	20050901
Date Ended Current:	Not reported
Owner/Operator Address:	ONE WILLIAMS CENTER
Owner/Operator City,State,Zip:	TULSA, OK 74172
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	BUCKEYE TERMINALS, LLC
Legal Status:	Private

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Date Became Current:	20200320
Date Ended Current:	Not reported
Owner/Operator Address:	9999 HAMILTON BOULEVARD
Owner/Operator City,State,Zip:	BREINIGSVILLE, PA 18031
Owner/Operator Telephone:	610-904-4467
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MBONENBERGER@BUCKEYE.COM

Historic Generators:

Receive Date:	20020131
Handler Name:	DELAWARE TERMINAL COMPANY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20140304
Handler Name:	MAGELLAN TERMINALS HOLDINGS, LP WILMINGTON
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20160226
Handler Name:	MAGELLAN TERMINALS HOLDINGS, LP WILMINGTON TERMINAL
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20180228
Handler Name:	MAGELLAN TERMINALS HOLDINGS, LP WILMINGTON
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210226
Handler Name: BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19801107
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900226
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920225
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Receive Date: 19940224
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000225
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020131
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020313
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20021210
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040206
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040206
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040615
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20050214
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20051018
Handler Name: MAGELLAN TERMINALS HOLDINGS, L.P.
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20110909
Handler Name: MAGELLAN TERMINALS HOLDINGS, L.P. WILMINGTON TERMI
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140304
Handler Name: MAGELLAN TERMINALS HOLDINGS, LP WILMINGTON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150331
Handler Name: MAGELLAN TERMINALS HOLDINGS, LP WILMINGTON
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20150630
Handler Name: MAGELLAN TERMINALS HOLDINGS, LP WILMINGTON

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160805
Handler Name: MAGELLAN TERMINALS HOLDINGS, LP WILMINGTON
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20171019
Handler Name: MAGELLAN TERMINALS HOLDINGS, LP WILMINGTON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180614
Handler Name: MAGELLAN TERMINALS HOLDINGS, LP WILMINGTON
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20191010
Handler Name: MAGELLAN TERMINALS HOLDINGS, LP WILMINGTON
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200402
Handler Name: BUCKEYE PT TERMINALS LP - WILMINGTON
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210901
Handler Name: BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19900226
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920225
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Receive Date: 19940224
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000225
Handler Name: DELAWARE TERMINAL CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040206
Handler Name: DELAWARE TERMINAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

NAICS Code: 22121
NAICS Description: NATURAL GAS DISTRIBUTION

NAICS Code: 313221
NAICS Description: NARROW FABRIC MILLS

NAICS Code: 31324
NAICS Description: KNIT FABRIC MILLS

NAICS Code: 322211
NAICS Description: CORRUGATED AND SOLID FIBER BOX MANUFACTURING

NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

NAICS Code: 325212
NAICS Description: SYNTHETIC RUBBER MANUFACTURING

NAICS Code: 325222
NAICS Description: NONCELLULOSIC ORGANIC FIBER MANUFACTURING

NAICS Code: 325613
NAICS Description: SURFACE ACTIVE AGENT MANUFACTURING

NAICS Code: 3261
NAICS Description: PLASTICS PRODUCT MANUFACTURING

NAICS Code: 339112
NAICS Description: SURGICAL AND MEDICAL INSTRUMENT MANUFACTURING

NAICS Code: 42271
NAICS Description: PETROLEUM BULK STATIONS AND TERMINALS

NAICS Code: 42371
NAICS Description: HARDWARE MERCHANT WHOLESALERS

NAICS Code: 424710
NAICS Description: PETROLEUM BULK STATIONS AND TERMINALS

NAICS Code: 44112
NAICS Description: USED CAR DEALERS

NAICS Code: 441229
NAICS Description: ALL OTHER MOTOR VEHICLE DEALERS

NAICS Code: 44411
NAICS Description: HOME CENTERS

NAICS Code: 44812
NAICS Description: WOMEN'S CLOTHING STORES

NAICS Code: 482111
NAICS Description: LINE-HAUL RAILROADS

NAICS Code: 488999
NAICS Description: ALL OTHER SUPPORT ACTIVITIES FOR TRANSPORTATION

NAICS Code: 49311
NAICS Description: GENERAL WAREHOUSING AND STORAGE

NAICS Code: 49319
NAICS Description: OTHER WAREHOUSING AND STORAGE

NAICS Code: 54171
NAICS Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES

NAICS Code: 551114
NAICS Description: CORPORATE, SUBSIDIARY, AND REGIONAL MANAGING OFFICES

NAICS Code: 56144
NAICS Description: COLLECTION AGENCIES

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

NAICS Code: 621399
NAICS Description: OFFICES OF ALL OTHER MISCELLANEOUS HEALTH PRACTITIONERS

NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

NAICS Code: 81149
NAICS Description: OTHER PERSONAL AND HOUSEHOLD GOODS REPAIR AND MAINTENANCE

NAICS Code: 81221
NAICS Description: FUNERAL HOMES AND FUNERAL SERVICES

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19921118
Actual Return to Compliance Date:	19921211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19921218
Enforcement Identifier:	000
Date of Enforcement Action:	19921118
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	DE
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person:	DEAHS
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19920828
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: DEAHS
Evaluation Responsible Sub-Organization: HW
Actual Return to Compliance Date: 19921211
Scheduled Compliance Date: 19921218
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20040615
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: DEBBC
Evaluation Responsible Sub-Organization: HW
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940217
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: DEBBC
Evaluation Responsible Sub-Organization: HW
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

FINDS:
Registry ID: 110070243124

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Click Here:

Environmental Interest/Information System:
ETHANOL FACILITY/GASOLINE AND DIESEL PRODUCERS

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

NY MANIFEST:

Name:	DELAWARE TERMINAL
Address:	1050 CHRISTINA AVENUE
City,State,Zip:	WILMINGTON, DE 19801-0000
Country:	USA
EPA ID:	DED073750796
Facility Status:	Not reported
Location Address 1:	1050 CHRISTINA AVENUE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	WILMINGTON
Location State:	DE
Location Zip:	19801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	DED073750796
Mailing Name:	DELAWARE TERMINAL
Mailing Contact:	DELAWARE TERMINAL
Mailing Address 1:	1050 CHRISTINA AVENUE
Mailing Address 2:	Not reported
Mailing City:	WILMINGTON
Mailing State:	DE
Mailing Zip:	19801
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	3026543717

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NJD071629976
Trans2 State ID:	Not reported
Generator Ship Date:	08/28/2012
Trans1 Recv Date:	08/28/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/29/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	DED073750796
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not reported
Manifest Tracking Number:	000325208VES
Import Indicator:	N

BUCKEYE TERMINALS, LLC - PORT WILMINGTON TERMINAL (Continued) **1000440331**

Export Indicator:	N
Discr Quantity Indicator:	Y
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H132
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	30260
Units:	P - Pounds
Number of Containers:	1
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

G48 **721 TERMINAL AVENUE** **DE SHWS S114018055**
SW **721 TERMINAL AVENUE** **DE BROWNFIELDS N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.472 mi.
2492 ft. **Site 7 of 7 in cluster G**

Relative: **Lower**

Actual: **5 ft.**

SHWS:

Name:	721 TERMINAL AVENUE
Address:	721 TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10715218
Site Type:	Other
Care Of:	Not reported
PI ID:	543621
Prog ID:	DE-1558
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189935.38
YCoordinate NAD83 Meters:	190584.5
Latitude Dec:	39.716878
Longitude Dec:	-75.532356
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	0.7608
Longitude Degrees:	-75
Longitude Minutes:	31

721 TERMINAL AVENUE (Continued) **S114018055**

Longitude Seconds:	56.4816
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-352

DE BROWNFIELD:

Name:	721 TERMINAL AVENUE SITE
Address:	721 TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1558
Certification Date:	9.12.2013
Acreage:	2.10+/-

K49 **WATER POLLUTION CONTROL FACILITY** **DE LUST** **S110838639**
NNE **EAST 12TH STREET & HAY ROAD** **N/A**
1/4-1/2 **WILMINGTON, DE 19802**
0.481 mi.
2540 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
14 ft.

LUST:

Name:	CITY OF WILMINGTON HAY ROAD
Address:	EAST 12TH STREET & HAY ROAD
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10024240
Status:	Inactive
Date Closed:	**01/26/1994**
Project Number:	N8902248
Watershed:	Shellpot Creek
Basin:	Piedmont
Latitude:	39.73207
Longitude:	-75.5183
Country Abv:	US
PI ID:	21147
Prog ID:	3-000596
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported

WATER POLLUTION CONTROL FACILITY (Continued) **S110838639**

Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	WATER POLLUTION CONTROL FACILITY
Address:	EAST 12TH STREET & HAY ROAD
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10024240
Status:	Inactive
Date Closed:	**12/14/1999**
Project Number:	N9912261
Watershed:	Shellpot Creek
Basin:	Piedmont
Latitude:	39.73207
Longitude:	-75.5183
Country Abv:	US
PI ID:	21147
Prog ID:	3-000596
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

50
NNW
1/4-1/2
0.482 mi.
2544 ft.

MARINA OVERLOOK
500 INDUSTRIAL STREET
WILMINGTON, DE 19801

DE SHWS
DE INST CONTROL
DE VCP
DE BROWNFIELDS

S106723080
N/A

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	CHRISTINA MARINA
Address:	500 INDUSTRIAL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10024821
Site Type:	Port/Marina
Care Of:	Not reported
PI ID:	27139
Prog ID:	DE-1293
Additional Info:	State Funded Brownfield
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189991.82
YCoordinate NAD83 Meters:	192741.02
Latitude Dec:	39.736538
Longitude Dec:	-75.533957
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	11.5368
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	2.2452
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	MARINA OVERLOOK
Address:	500 INDUSTRIAL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10057748
Site Type:	Animal Production
Care Of:	Not reported
PI ID:	28355
Prog ID:	DE-1328
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto

MARINA OVERLOOK (Continued) **S106723080**

Loc Type:	P
XCoordinate NAD83 Meters:	190192.41
YCoordinate NAD83 Meters:	192831.13
Latitude Dec:	39.736934
Longitude Dec:	-75.531989
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	12.9624
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.1604
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Name:	MARINA OVERLOOK OU-1
Address:	500 INDUSTRIAL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10057748
Site Type:	Animal Production
Care Of:	Not reported
PI ID:	594411
Prog ID:	DE-1328 OU-1
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190114.92
YCoordinate NAD83 Meters:	192825.78
Latitude Dec:	39.736934
Longitude Dec:	-75.531989
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	12.9624
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.1604
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported

MARINA OVERLOOK (Continued) **S106723080**

Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Name:	MARINA OVERLOOK OU-2
Address:	500 INDUSTRIAL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10057748
Site Type:	Animal Production
Care Of:	Not reported
PI ID:	594412
Prog ID:	DE-1328 OU-2
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190114.92
YCoordinate NAD83 Meters:	192825.78
Latitude Dec:	39.736934
Longitude Dec:	-75.531989
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	12.9624
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.1604
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Inst Control:
Name: MARINA OVERLOOK

MARINA OVERLOOK (Continued) **S106723080**

Address: 500 INDUSTRIAL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1328
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 05/28/2013
Restrictions: a) Use of the Property shall be restricted solely to those non-residential type uses; b) There shall be no land disturbing activities on the Site without the prior written approval of DNREC-SIRS; c) No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Property without the prior written approval of DNREC-SIRS; d) Compliance with Operations and Maintenance Plan and Contaminated Materials Management Plan.

Name: MARINA OVERLOOK
Address: 500 INDUSTRIAL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1328
Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: 05/28/2013
Restrictions: a) Use of the Property shall be restricted solely to those non-residential type uses; b) There shall be no land disturbing activities on the Site without the prior written approval of DNREC-SIRS; c) No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Property without the prior written approval of DNREC-SIRS; d) Compliance with Operations and Maintenance Plan and Contaminated Materials Management Plan.

Name: CHRISTINA MARINA
Address: 500 INDUSTRIAL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1293
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 05/28/2013
Restrictions: a) Use of the Property shall be restricted solely to those non-residential type uses; b) There shall be no land disturbing activities on the Site without the prior written approval of DNREC-SIRS; c) No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Property without the prior written approval of DNREC-SIRS; d) Compliance with Operations and Maintenance Plan and Contaminated Materials Management Plan.

Name: CHRISTINA MARINA
Address: 500 INDUSTRIAL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1293
Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: 05/28/2013
Restrictions: a) Use of the Property shall be restricted solely to those non-residential type uses; b) There shall be no land disturbing activities on the Site without the prior written approval of

MARINA OVERLOOK (Continued) **S106723080**

DNREC-SIRS; c) No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Property without the prior written approval of DNREC-SIRS; d) Compliance with Operations and Maintenance Plan and Contaminated Materials Management Plan.

VCP:

Name:	CHRISTINA MARINA
Address:	500 INDUSTRIAL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10024821
Program ID:	DE-1293
Site Type:	Port/Marina
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
X Coordinate Nad83 Meters:	189991.8
Y Coordinate Nad83 Meters:	192741.01
Latitude Dec:	39.7365380
Longitude Dec:	-75.533957
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	11.5367999
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	2.24520000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	MARINA OVERLOOK
Address:	500 INDUSTRIAL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10057748
Program ID:	DE-1328
Site Type:	Animal Production
Care Of:	Not reported
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
X Coordinate Nad83 Meters:	190192.4

MARINA OVERLOOK (Continued) **S106723080**

Y Coordinate Nad83 Meters:	192831.13
Latitude Dec:	39.7369339
Longitude Dec:	-75.531988
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	12.9624000
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.1604000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Name:	MARINA OVERLOOK OU-1
Address:	500 INDUSTRIAL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10057748
Program ID:	DE-1328 OU-1
Site Type:	Animal Production
Care Of:	Not reported
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
X Coordinate Nad83 Meters:	190114.9
Y Coordinate Nad83 Meters:	192825.78
Latitude Dec:	39.7369339
Longitude Dec:	-75.531988
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	12.9624000
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.1604000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH

MARINA OVERLOOK (Continued) **S106723080**

Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Not reported
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Name:	MARINA OVERLOOK OU-2
Address:	500 INDUSTRIAL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10057748
Program ID:	DE-1328 OU-2
Site Type:	Animal Production
Care Of:	Not reported
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
X Coordinate Nad83 Meters:	190114.9
Y Coordinate Nad83 Meters:	192825.78
Latitude Dec:	39.7369339
Longitude Dec:	-75.531988
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	12.9624000
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.1604000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Not reported
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

DE BROWNFIELD:

Name:	MARINA OVERLOOK
Address:	500 INDUSTRIAL PARK, (7TH ST PENIN.)
City,State,Zip:	WILMINGTON, DE
edr_fcity:	WILMINGTON
Facility ID:	DE-1328
Certification Date:	08.24.04
Acreage:	13.24+/-

K51 **DUPONT HAY ROAD "IRON RICH" SITE** **DE SHWS** **S111766332**
NNE **400 HAY ROAD** **DE SWF/LF** **N/A**
1/4-1/2 **WILMINGTON, DE 19801** **DE INST CONTROL**
0.485 mi. **DE VCP**
2561 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
14 ft.

SHWS:

Name:	DUPONT CHERRY ISLAND LANDFILL
Address:	400 HAY ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056587
Site Type:	Other
Care Of:	Not reported
PI ID:	27382
Prog ID:	DE-0026
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	191817.03
YCoordinate NAD83 Meters:	192658.58
Latitude Dec:	39.735278
Longitude Dec:	-75.512496
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	7.0008
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	44.9856
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	DUPONT CHERRY ISLAND LANDFILL
Address:	400 HAY ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056587
Site Type:	Other
Care Of:	Not reported
PI ID:	27382
Prog ID:	DE-0026
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown

DUPONT HAY ROAD "IRON RICH" SITE (Continued) **S111766332**

Loc Type:	P
XCoordinate NAD83 Meters:	191817.03
YCoordinate NAD83 Meters:	192658.58
Latitude Dec:	39.735278
Longitude Dec:	-75.512496
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	7.0008
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	44.9856
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	SHELLPOT CREEK INITIATIVE
Address:	400 HAY ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10063629
Site Type:	Not reported
Care Of:	Not reported
PI ID:	129218
Prog ID:	DE-1380
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	192090.25
YCoordinate NAD83 Meters:	192994.62
Latitude Dec:	39.736415
Longitude Dec:	-75.507227
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	11.094
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	26.0172
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported

DUPONT HAY ROAD "IRON RICH" SITE (Continued) **S111766332**

Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

SWF/LF:

Name:	DUPONT CHERRY ISLAND LANDFILL
Address:	NONE
City,State,Zip:	DE
Facility Id:	10056587
PI Id:	16910
PI Name:	DUPONT CHERRY ISLAND LANDFILL
Prog Id:	LF-0006
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Client Supplied-Method Unknown
Loc Type:	F
XCoordinate Nad83 meters:	0
YCoordinate Nad83 meters:	0
Latitude Dec:	39.734884
Longitude Dec:	-75.479167
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	5.5824
Longitude Degrees:	-75
Longitude Minutes:	28
Longitude Seconds:	45.0012
County:	NEW CASTLE
State:	Not reported
Town:	Wilmington
Po Name:	Wilmington
Zip5:	19801
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
Drbc Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	Not reported
AG Pres District:	Not reported

DUPONT HAY ROAD "IRON RICH" SITE (Continued) **S111766332**

Water District: Not reported
Mod Grid: Not reported

Inst Control:
Name: SHELLPOT CREEK INITIATIVE
Address: 400 HAY ROAD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1380
Report Title: Deed Restriction Sites
Site Type: HSCA
Deed Restriction Date: 02/06/2013
Restrictions: 1) Restricted to non-residential use only, 2) no land disturbing activities without the prior written approval of DNREC-SIRS; 3) limitation of groundwater withdrawal; and 4) compliance with Operations and Maintenance Plan;

Name: DUPONT HAY ROAD "IRON RICH" SITE
Address: 400 HAY ROAD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-0024
Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: 02/06/2013
Restrictions: 1) Restricted to non-residential use only, 2) no land disturbing activities without the prior written approval of DNREC-SIRS; 3) limitation of groundwater withdrawal; and 4) compliance with Operations and Maintenance Plan;

Name: DUPONT CHERRY ISLAND LANDFILL
Address: 400 HAY ROAD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-0026
Report Title: Deed Restriction Sites
Site Type: HSCA
Deed Restriction Date: 02/06/2013
Restrictions: 1) Restricted to non-residential use only, 2) no land disturbing activities without the prior written approval of DNREC-SIRS; 3) limitation of groundwater withdrawal; and 4) compliance with Operations and Maintenance Plan;

Name: DUPONT CHERRY ISLAND LANDFILL
Address: 400 HAY ROAD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-0026
Report Title: Deed Restriction Sites
Site Type: Pre Remedial (PA/SI)
Deed Restriction Date: 02/06/2013
Restrictions: 1) Restricted to non-residential use only, 2) no land disturbing activities without the prior written approval of DNREC-SIRS; 3) limitation of groundwater withdrawal; and 4) compliance with Operations and Maintenance Plan;

VCP:
Name: DUPONT HAY ROAD "IRON RICH" SITE
Address: 400 HAY ROAD
City,State,Zip: WILMINGTON, DE 19801

DUPONT HAY ROAD "IRON RICH" SITE (Continued) **S111766332**

Facility ID:	10056341
Program ID:	DE-0024
Site Type:	Landfill-Municipal/Industrial
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
X Coordinate Nad83 Meters:	192204.3
Y Coordinate Nad83 Meters:	192426.23
Latitude Dec:	39.7333330
Longitude Dec:	-75.508330
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	59.9988000
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	29.988
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

L52 **INSTEEL WIRE PRODUCTS** **DE LUST 1000881155**
West **800 NEW CASTLE AVENUE** **DE UST N/A**
1/4-1/2 **WILMINGTON, DE 19801** **DE AIRS**
0.487 mi. **DE ENF**
2572 ft. **Site 1 of 2 in cluster L** **DE TIER 2**

Relative: LUST:
Lower

Name:	FORBES STEEL & WIRE-WILMINGTON
Address:	800 NEW CASTLE AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10023833
Status:	Cross-referenced
Date Closed:	**12/29/1993**
Project Number:	N8905250
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.72445
Longitude:	-75.5427
Country Abv:	US
PI ID:	19374
Prog ID:	3-000174
Additional Info:	Not reported

Actual:
8 ft.

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	INSTEEL WIRE PRODUCTS
Address:	800 NEW CASTLE AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10023833
Status:	Inactive
Date Closed:	**08/15/2007**
Project Number:	N9903060
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.72445
Longitude:	-75.5427
Country Abv:	US
PI ID:	19374
Prog ID:	3-000174
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

UST:

Facility Id:	10023833
PI Id:	19374
Prog Id:	3-000174
Tax Id:	Not reported
Additional Info:	Not reported
Care Of:	Not reported
PO Name:	Wilmington
Sewer District:	Unknown
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Water District:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Yes
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Mod Grid:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
X Coordinate Na D83 Meters:	189193.7
Y Coordinate Na D83 Meters:	191443.3
Latitude Dec:	39.72445
Longitude Dec:	-75.5427
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	28.038
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	33.7488
Name:	INSTEEL WIRE PRODUCTS
Address:	800 NEW CASTLE AVENUE
City,State,Zip:	WILMINGTON, DE 19801

Tank Info:

Owner:	Insteel Wire Products
Owner Address:	800 New Castle Avenue, Wilmington, DE 19801 US
Tank Id:	1
Alt Tank Id:	1
Tank Status:	Removed
Capacity:	2000
Tank Substance:	Gasoline
Compartment:	N
Close Date:	02/08/1999
Install Date:	01/01/1972

Owner:	Insteel Wire Products
Owner Address:	800 New Castle Avenue, Wilmington, DE 19801 US
Tank Id:	2

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

Alt Tank Id:	2
Tank Status:	Removed
Capacity:	7000
Tank Substance:	Diesel
Compartment:	N
Close Date:	04/24/1989
Install Date:	01/01/1967

Owner:	Insteel Wire Products
Owner Address:	800 New Castle Avenue, Wilmington, DE 19801 US
Tank Id:	3
Alt Tank Id:	3
Tank Status:	Removed
Capacity:	1500
Tank Substance:	Heating Oil
Compartment:	N
Close Date:	04/24/1989
Install Date:	01/01/1974

Owner:	Insteel Wire Products
Owner Address:	800 New Castle Avenue, Wilmington, DE 19801 US
Tank Id:	4
Alt Tank Id:	4
Tank Status:	Removed
Capacity:	3000
Tank Substance:	Gasoline
Compartment:	N
Close Date:	04/24/1989
Install Date:	01/01/1965

Owner:	Insteel Wire Products
Owner Address:	800 New Castle Avenue, Wilmington, DE 19801 US
Tank Id:	5
Alt Tank Id:	5
Tank Status:	Removed
Capacity:	1500
Tank Substance:	Diesel
Compartment:	N
Close Date:	01/01/1987
Install Date:	01/10/1973

Owner:	Insteel Wire Products
Owner Address:	800 New Castle Avenue, Wilmington, DE 19801 US
Tank Id:	6
Alt Tank Id:	6
Tank Status:	Removed
Capacity:	3000
Tank Substance:	Gasoline
Compartment:	N
Close Date:	01/01/1987
Install Date:	01/10/1966

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

AIRS:

Name:	INSTEEL WIRE PRODUCTS
Address:	800 NEW CASTLE AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10023833
X Coordinate:	No
Y Coordinate:	No
Reference Point:	Unknown
Horizontal Method:	Client Supplied-Method Unknown
Latitude:	39.724599
Longitude:	-75.540812
Watershed:	Christina River
Basin:	Piedmont
State House District:	16
Representative:	Representative Franklin D. Cooke
State Senate District:	2
Senator:	Senator Darius J. Brown
School District:	Lake Forest
Quad:	WILMINGTON SOUTH
State Abbreviation:	Not reported
Town:	Wilmington
PI ID:	23750
Prog ID:	1000300100
Additional Info:	Not reported
CareOf:	Not reported
ReferencePt:	Unknown
HorizontalMethod:	Client Supplied-Method Unknown
LocType:	P
LatitudeDec:	39.724599
LongitudeDec:	-75.540812
LatitudeDegrees:	39
LatitudeMinutes:	43
LatitudeSeconds:	28.5564
LongitudeDegrees:	-75
LongitudeMinutes:	32
LongitudeSeconds:	26.9232
County:	NEW CASTLE
State:	Not reported
Town:	Wilmington
PO Name:	Wilmington
ZIP5:	19801
TaxID:	Not reported
SewerDistrict:	Unknown
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
SenateDistrict:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

Mod Grid: 110-352

ENFORCEMENT:

Name:	INSTEEL INDUSTRIES
Address:	800 NEW CASTLE AVENUE
Address 2:	1373 Boggs Drive
City,State,Zip:	WILMINGTON, DE 19801
Business:	Insteel Wire Products
Program:	Solid & Hazardous Waste
Violator City:	Mt Airy
Violator State:	NC
Violator Zip:	Not reported
Date of Violation:	08/30/1993
Date Served:	09/22/1993
Date Discovered:	08/30/1993
Date Corrected:	10/05/1993
V Corrected:	Yes
Account Number:	1993-09641
Contact:	Not reported
Phone:	(302)739-9403
Description:	Not reported
Nature:	Not reported

Env Issues Comments: Not reported

Name:	INSTEEL INDUSTRIES
Address:	800 NEW CASTLE AVENUE
Address 2:	1373 Boggs Drive
City,State,Zip:	WILMINGTON, DE 19801
Business:	Insteel Wire Products
Program:	Solid & Hazardous Waste
Violator City:	Mt Airy
Violator State:	NC
Violator Zip:	Not reported
Date of Violation:	04/12/1995
Date Served:	04/12/1995
Date Discovered:	03/23/1995
Date Corrected:	05/11/1995
V Corrected:	Yes
Account Number:	1995-09640
Contact:	Not reported
Phone:	(302)739-9403
Description:	Not reported
Nature:	Not reported

Env Issues Comments: Not reported

TIER 2:

Name:	INSTEEL WIRE PRODUCTS
Address:	800 NEW CASTLE AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	1039
Tier II Report Yr:	2010
Facility Corporate Name:	Insteel Wire products
EHS Year:	Not reported
CAS Number:	64742547

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

Chemical:	PETROLEUM (MOTOR OIL)
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	No

Detail:

Tier II Report Year:	2010
Owner Operator Name:	WILLIAM GARY LOGAN
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026563121
Compliance Contact Company:	Anthony Shannon
Compliance Contact Title:	HR Manager
Compliance Contact Address1:	700 WYNNEWOOD AVE
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Wilmington, DE 19803
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026563121

Tier II Report Yr:	2010
Facility Corporate Name:	Insteel Wire products
EHS Year:	Not reported
CAS Number:	68476346
Chemical:	DIESEL FUEL OIL
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	No

Detail:

Tier II Report Year:	2010
Owner Operator Name:	WILLIAM GARY LOGAN
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026563121
Compliance Contact Company:	Anthony Shannon
Compliance Contact Title:	HR Manager
Compliance Contact Address1:	700 WYNNEWOOD AVE
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Wilmington, DE 19803
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026563121

Tier II Report Yr:	2010
Facility Corporate Name:	Insteel Wire products
EHS Year:	Not reported
CAS Number:	74986
Chemical:	PROPANE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	No

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

Detail:
Tier II Report Year: 2010
Owner Operator Name: WILLIAM GARY LOGAN
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026563121
Compliance Contact Company: Anthony Shannon
Compliance Contact Title: HR Manager
Compliance Contact Address1: 700 WYNNEWOOD AVE
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Wilmington, DE 19803
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026563121

Tier II Report Yr: 2010
Facility Corporate Name: Insteel Wire products
EHS Year: Not reported
CAS Number: 8008206
Chemical: KEROSENE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: No

Detail:
Tier II Report Year: 2010
Owner Operator Name: WILLIAM GARY LOGAN
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026563121
Compliance Contact Company: Anthony Shannon
Compliance Contact Title: HR Manager
Compliance Contact Address1: 700 WYNNEWOOD AVE
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Wilmington, DE 19803
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026563121

Tier II Report Yr: 2010
Facility Corporate Name: Insteel Wire products
EHS Year: Not reported
CAS Number: Not reported
Chemical: ANTI-FREEZING COMPOUND, [LIQUID]
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: No

Detail:
Tier II Report Year: 2010
Owner Operator Name: WILLIAM GARY LOGAN
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

Owner Operator Phone:	3026563121
Compliance Contact Company:	Anthony Shannon
Compliance Contact Title:	HR Manager
Compliance Contact Address1:	700 WYNNEWOOD AVE
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Wilmington, DE 19803
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026563121

Tier II Report Yr:	2010
Facility Corporate Name:	Insteel Wire products
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	METAL WORKING COMPOUND
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	No

Detail:

Tier II Report Year:	2010
Owner Operator Name:	WILLIAM GARY LOGAN
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026563121
Compliance Contact Company:	Anthony Shannon
Compliance Contact Title:	HR Manager
Compliance Contact Address1:	700 WYNNEWOOD AVE
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Wilmington, DE 19803
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026563121

Tier II Report Yr:	2010
Facility Corporate Name:	Insteel Wire products
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	PETROLEUM (HYDRAULIC OIL BLEND)
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	No

Detail:

Tier II Report Year:	2010
Owner Operator Name:	WILLIAM GARY LOGAN
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026563121
Compliance Contact Company:	Anthony Shannon
Compliance Contact Title:	HR Manager
Compliance Contact Address1:	700 WYNNEWOOD AVE
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Wilmington, DE 19803

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

Compliance Contact Country: Not reported
Compliance Contact Phone: 3026563121

Tier II Report Yr: 2010
Facility Corporate Name: Insteel Wire products
EHS Year: Not reported
CAS Number: 64741884
Chemical: PETROLEUM (GEAR OIL)
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: No

Detail:
Tier II Report Year: 2010
Owner Operator Name: WILLIAM GARY LOGAN
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026563121
Compliance Contact Company: Anthony Shannon
Compliance Contact Title: HR Manager
Compliance Contact Address1: 700 WYNNEWOOD AVE
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Wilmington, DE 19803
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026563121

Tier II Report Yr: 2009
Facility Corporate Name: Insteel Wire products
EHS Year: Not reported
CAS Number: Not reported
Chemical: PROPANE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: WILLIAM GARY LOGAN
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026563121
Compliance Contact Company: Anthony Shannon
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026563121

Tier II Report Yr: 2009
Facility Corporate Name: Insteel Wire products

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

EHS Year: Not reported
CAS Number: N/A
Chemical: ANTI-FREEZING COMPOUND, [LIQUID]
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: WILLIAM GARY LOGAN
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026563121
Compliance Contact Company: Anthony Shannon
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026563121

Tier II Report Yr: 2009
Facility Corporate Name: Insteel Wire products
EHS Year: Not reported
CAS Number: N/A
Chemical: PETROLEUM (HYDRAULIC OIL BLEND)
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: WILLIAM GARY LOGAN
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026563121
Compliance Contact Company: Anthony Shannon
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026563121

Tier II Report Yr: 2009
Facility Corporate Name: Insteel Wire products
EHS Year: Not reported
CAS Number: Not reported
Chemical: PETROLEUM (GEAR OIL)
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

Detail:
Tier II Report Year: 2009
Owner Operator Name: WILLIAM GARY LOGAN
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026563121
Compliance Contact Company: Anthony Shannon
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026563121

Tier II Report Yr: 2009
Facility Corporate Name: Insteel Wire products
EHS Year: Not reported
CAS Number: Not reported
Chemical: DIESEL FUEL OIL
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: WILLIAM GARY LOGAN
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026563121
Compliance Contact Company: Anthony Shannon
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026563121

Tier II Report Yr: 2009
Facility Corporate Name: Insteel Wire products
EHS Year: Not reported
CAS Number: N/A
Chemical: METAL WORKING COMPOUND
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: WILLIAM GARY LOGAN
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

Owner Operator Phone:	3026563121
Compliance Contact Company:	Anthony Shannon
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026563121

Tier II Report Yr:	2009
Facility Corporate Name:	Insteel Wire products
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	KEROSENE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2009
Owner Operator Name:	WILLIAM GARY LOGAN
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026563121
Compliance Contact Company:	Anthony Shannon
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026563121

Tier II Report Yr:	2009
Facility Corporate Name:	Insteel Wire products
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	PETROLEUM (MOTOR OIL)
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2009
Owner Operator Name:	WILLIAM GARY LOGAN
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026563121
Compliance Contact Company:	Anthony Shannon
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported

INSTEEL WIRE PRODUCTS (Continued) **1000881155**

Compliance Contact Country: Not reported
Compliance Contact Phone: 3026563121

L53 **FORBES STEEL AND WIRE CORPORATION** **SEMS-ARCHIVE** **1015733142**
West **NEW YORK AND NEW CASTLE AVES** **RCRA-VSQG** **DED004321212**
1/4-1/2 **WILMINGTON, DE 19801** **FINDS**
0.487 mi. **ECHO**
2572 ft. **Site 2 of 2 in cluster L** **NY MANIFEST**

Relative:
Lower

Actual:
8 ft.

SEMS Archive:
Site ID: 0300050
EPA ID: DED004321212
Name: FORBES STEEL AND WIRE CORPORATION
Address: NEW YORK AND NEW CASTLE AVES
Address 2: Not reported
City,State,Zip: WILMINGTON, DE 19801
Cong District: 01
FIPS Code: 10003
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 03
Site ID: 0300050
EPA ID: DED004321212
Site Name: FORBES STEEL AND WIRE CORPORATION
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1990-01-30 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 03
Site ID: 0300050
EPA ID: DED004321212
Site Name: FORBES STEEL AND WIRE CORPORATION
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1987-08-13 04:00:00
Finish Date: 1987-08-13 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 03
Site ID: 0300050
EPA ID: DED004321212
Site Name: FORBES STEEL AND WIRE CORPORATION

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1989-04-11 04:00:00
Finish Date:	1990-01-30 05:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	03
Site ID:	0300050
EPA ID:	DED004321212
Site Name:	FORBES STEEL AND WIRE CORPORATION
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-05-08 04:00:00
Qual:	L
Current Action Lead:	St Perf

RCRA-VSQG:

Date Form Received by Agency:		20000615
Handler Name:	INSTEEL WIRE PRODUCTS	
Handler Address:		800 NEW CASTLE AVE
Handler City,State,Zip:		WILMINGTON, DE 19801
EPA ID:		DED004321212
Contact Name:		ANTHONY SHANNON
Contact Address:		800 NEW CASTLE AVE
Contact City,State,Zip:		WILMINGTON, DE 19801
Contact Telephone:		302-656-3125
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		03
Land Type:		Private
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		800 NEW CASTLE AVE
Mailing City,State,Zip:		WILMINGTON, DE 19801
Owner Name:		INSTEEL INDUSTRIES INC
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:
Waste Code: D002

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Waste Description: CORROSIVE WASTE

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D018
Waste Description: BENZENE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: K062
Waste Description: SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	OPERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INSTEEL INDUSTRIES INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1373 BOGGS DR
Owner/Operator City,State,Zip:	MT AIRY, NC 27030
Owner/Operator Telephone:	910-786-9463
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19801119
Handler Name: INSTEEL WIRE PRODUCTS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000615
Handler Name: INSTEEL WIRE PRODUCTS
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900328
Handler Name: FORBES STEEL & WIRE CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920227
Handler Name: FORBES STEEL & WIRE CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940217
Handler Name: FORBES STEEL & WIRE CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960214

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Handler Name: INSTEEL WIRE PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980225
Handler Name: INSTEEL WIRE PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000215
Handler Name: INSTEEL WIRE PRODUCTS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 331222
NAICS Description: STEEL WIRE DRAWING

NAICS Code: 332618
NAICS Description: OTHER FABRICATED WIRE PRODUCT MANUFACTURING

NAICS Code: 42151
NAICS Description: METAL SERVICE CENTERS AND OFFICES

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19910130
Actual Return to Compliance Date: 19910603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19910430
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 10000
Paid Amount: 10000
Final Count: 1
Final Amount: 10000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19910130
Actual Return to Compliance Date: 19910603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19910430
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	10000
Paid Amount:	10000
Final Count:	1
Final Amount:	10000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910130
Actual Return to Compliance Date:	19920302
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19910430
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person:	DEBBC
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	10000
Paid Amount:	10000
Final Count:	1
Final Amount:	10000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	19910130
Actual Return to Compliance Date:	19910603
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19910430
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 10000
Paid Amount: 10000
Final Count: 1
Final Amount: 10000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19910130
Actual Return to Compliance Date: 19910603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19910430
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	10000
Paid Amount:	10000
Final Count:	1
Final Amount:	10000
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910130
Actual Return to Compliance Date:	19910603
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19910430
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 10000
Paid Amount: 10000
Final Count: 1
Final Amount: 10000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19910130
Actual Return to Compliance Date: 19920302
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19910821
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 19910130
Actual Return to Compliance Date: 19910603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19910430
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 10000
Paid Amount: 10000
Final Count: 1
Final Amount: 10000

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19930830
Actual Return to Compliance Date:	19931005
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931022
Enforcement Identifier:	000
Date of Enforcement Action:	19930922
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	DE
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person:	DEBBC
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910130
Actual Return to Compliance Date:	19920302
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19910821
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19910130
Actual Return to Compliance Date: 19910603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19910430
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	10000
Paid Amount:	10000
Final Count:	1
Final Amount:	10000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19950412
Actual Return to Compliance Date:	19950511
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950512
Enforcement Identifier:	000
Date of Enforcement Action:	19950412
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	DE
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person:	DEAHS
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910130
Actual Return to Compliance Date:	19910603
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19910430
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 10000
Paid Amount: 10000
Final Count: 1
Final Amount: 10000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19910130
Actual Return to Compliance Date: 19910603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19910430
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	10000
Paid Amount:	10000
Final Count:	1
Final Amount:	10000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910130
Actual Return to Compliance Date:	19920302
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19910430
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person:	DEBBC
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	10000
Paid Amount:	10000
Final Count:	1
Final Amount:	10000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19910130
Actual Return to Compliance Date:	19910603
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19910430
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person: DEBBC
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 10000
Paid Amount: 10000
Final Count: 1
Final Amount: 10000

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910130
Actual Return to Compliance Date:	19910603
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19910430
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	DE NOTICE OF ADMIN PENALTY / ORDER
Enforcement Responsible Person:	DEBBC
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	10000
Paid Amount:	10000
Final Count:	1
Final Amount:	10000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	19950412
Actual Return to Compliance Date:	19950628
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Scheduled Compliance Date: 19950512
Enforcement Identifier: 000
Date of Enforcement Action: 19950412
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: DE
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person: DEAHS
Enforcement Responsible Sub-Organization: HW
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19910130
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: DEBBC
Evaluation Responsible Sub-Organization: HW
Actual Return to Compliance Date: 19910603
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910130
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: DEBBC
Evaluation Responsible Sub-Organization: HW
Actual Return to Compliance Date: 19910603
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19920302
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19910603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19910603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19861118
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19910603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19920302
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19990830
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19910603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19860826
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930830
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19931005
Scheduled Compliance Date:	19931022
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19920302
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19910603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950323
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAHS
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19950511
Scheduled Compliance Date:	19950512
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910130
Evaluation Responsible Agency:	State

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19910603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19910603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19920302
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19910603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890320
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEBBC
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19910603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950323
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAHS
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	19950628
Scheduled Compliance Date:	19950512
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110000338732

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Registry ID: 110011577720

Click Here:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Registry ID: 110054522398

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1015733142
Registry ID:	110000338732
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000338732
Name:	INSTEEL WIRE PRODUCTS
Address:	800 NEW CASTLE AVENUE
City,State,Zip:	WILMINGTON, DE 19801

NY MANIFEST:

Name:	FORBES STEEL & WIRE CORPORATION
Address:	800 NEW CASTLE AVE
City,State,Zip:	WILMINGTON, DE 19801
Country:	USA
EPA ID:	DED004321212
Facility Status:	Not reported
Location Address 1:	NEW YORK AND NEW CASTLE AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	WILMINGTON
Location State:	DE
Location Zip:	19801
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	DED004321212
Mailing Name:	FORBES STEEL & WIRE CORPORATION
Mailing Contact:	FORBES STEEL & WIRE CORPORATION
Mailing Address 1:	NEW YORK & NEW CASTLE AVE
Mailing Address 2:	Not reported

FORBES STEEL AND WIRE CORPORATION (Continued) **1015733142**

Mailing City:	WILMINGTON
Mailing State:	DE
Mailing Zip:	19801
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	3026563121

NY MANIFEST:

Document ID:	NYB2516112
Manifest Status:	C
seq:	Not reported
Year:	1991
Trans1 State ID:	OH17
Trans2 State ID:	Not reported
Generator Ship Date:	09/23/1991
Trans1 Recv Date:	09/23/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	09/23/1991
Part A Recv Date:	10/02/1991
Part B Recv Date:	10/17/1991
Generator EPA ID:	DED004321212
Trans1 EPA ID:	PAD085690592
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD000691949
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	K062 - SP PICKLE LIQUOR FM STEEL OPTS
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	02745
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

54
SW
1/4-1/2
0.489 mi.
2584 ft.

FORMERLY STRAIGHT LINE FILTERS
CHRISTIANA AVENUE & TERMINAL AVENUE
WILMINGTON, DE 19801

DE LUST **S110838775**
N/A

Relative:
Lower

Actual:
5 ft.

LUST:

Name:	STRAIGHT LINE FILTERS
Address:	CHRISTIANA AVENUE & TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10024825
Status:	Inactive
Date Closed:	**05/10/1991**
Project Number:	N9105099
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71774
Longitude:	-75.5319
Country Abv:	US
PI ID:	18970
Prog ID:	3-001210
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	FORMERLY STRAIGHT LINE FILTERS
Address:	CHRISTIANA AVENUE & TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10024825
Status:	Inactive
Date Closed:	**03/13/1992**
Project Number:	N9203064
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71774
Longitude:	-75.5319
Country Abv:	US
PI ID:	18970
Prog ID:	3-001210
Additional Info:	Not reported
Care Of:	Not reported

FORMERLY STRAIGHT LINE FILTERS (Continued) **S110838775**

Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

M55 **PORT OF WILMINGTON** **DE LUST S107712803**
SSW **1 HAUSEL ROAD** **DE ENF N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.493 mi.
2603 ft. **Site 1 of 3 in cluster M**

Relative:
Lower

Actual:
7 ft.

LUST:

Name:	PORT OF WILMINGTON
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10153008
Status:	Inactive
Date Closed:	**07/21/1994**
Project Number:	N9207193
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71626
Longitude:	-75.5303
Country Abv:	US
PI ID:	20269
Prog ID:	3-000589
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest

PORT OF WILMINGTON (Continued) **S107712803**

GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported
Name:	PORT OF WILM.DRY CARGO WAREHSE
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10153008
Status:	Inactive
Date Closed:	**09/25/1992**
Project Number:	N9209232
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71626
Longitude:	-75.5303
Country Abv:	US
PI ID:	20269
Prog ID:	3-000589
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported
Name:	PORT OF WILMINGTON
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10153008
Status:	Inactive
Date Closed:	**05/22/1995**
Project Number:	N9304062
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71626
Longitude:	-75.5303
Country Abv:	US
PI ID:	20269
Prog ID:	3-000589
Additional Info:	Not reported
Care Of:	Not reported

PORT OF WILMINGTON (Continued) **S107712803**

Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	PORT OF WILMINGTON (DOLE WH.)
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10153008
Status:	Inactive
Date Closed:	**01/15/1995**
Project Number:	N9406133
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71626
Longitude:	-75.5303
Country Abv:	US
PI ID:	20269
Prog ID:	3-000589
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

PORT OF WILMINGTON (Continued) **S107712803**

ENFORCEMENT:

Name:	DIAMOND STATE PORT CORPORATION
Address:	1 HAUSEL ROAD
Address 2:	Not reported
City,State,Zip:	WILMINGTON, DE 19801
Business:	port
Program:	Air Quality
Violator City:	Not reported
Violator State:	Not reported
Violator Zip:	Not reported
Date of Violation:	04/05/2006
Date Served:	05/22/2006
Date Discovered:	04/05/2006
Date Corrected:	Not reported
V Corrected:	No
Account Number:	2006-10850
Contact:	Foster, Paul Edward
Phone:	Not reported
Description:	Not reported
Nature:	The Company emitted excess visible emissions while unloading perlite from a ship with their bulk material handling equipment. They emitted dust in excess of 20 opacity fro 7.25 minutes in a 30 minute period from the top of their hopper and 4.75 minutes o
Env Issues Comments:	Not reported

M56 **PORT OF WILMINGTON** **DE LUST** **S109093874**
SSW **1 HAUSEL RD** **DE SPILLS** **N/A**
1/4-1/2 **WILMINGTON, DE 19901** **DE AIRS**
0.493 mi. **DE NPDES**
2603 ft. **Site 2 of 3 in cluster M** **DE TIER 2**

Relative: **Lower**
Actual: **7 ft.**

LUST:

Name:	PORT OF WILMINGTON CENTRAL FUELING STATION
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10153008
Status:	Inactive
Date Closed:	**08/20/2008**
Project Number:	N0808085
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71626
Longitude:	-75.5303
Country Abv:	US
PI ID:	20269
Prog ID:	3-000589
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	PORT OF WILMINGTON
Address:	1 HAUSEL RD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	3441
Release ID:	15030
Release Date:	11/10/2014
Hazardous:	NO
Report Date:	11/10/2014
Release Location:	1 HAUSEL RD.WILMINGTON, DE 19801
Substance Release:	FUEL OIL, [DIESEL]
Release Duration:	Continuous
Est Quantity:	Equal To 50.00 GALLONS
Release To:	GROUND;
Health Risk:	FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.LIQUID: Irritating to skin and eyes. Harmful if swallowed. (USCG, 1999)
Medical Attention:	FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.EYES: First check the victim for contact lenses and remove if present. Flush victim s eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim s eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.SKIN: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing.INGESTION: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control

PORT OF WILMINGTON (Continued) **S109093874**

center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim s airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)
Prerecomm: None
Pub Notified: NO
Facility Contact: PORT OF WILMINGTON
Facility Contact Tele: Not reported
Facility Contact Email: Not reported
Status: Final
Additional Info: ON THE ABOVE DATE AND TIME A SPILL OF DIESEL FUEL OCCURRED AT THE ABOVE LOCATION. THE SPILL WAS CAUSED BY A MOTOR VEHICLE ACCIDENT. THE SPILL WAS ESTIMATED TO BE 50 GALLONS AND EMERGENCY CREWS RESPONDED FOR CLEAN UP.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 4749
Release ID: 16380
Release Date: 01/07/2020
Hazardous: NO
Report Date: 01/07/2020
Release Location: 1 HAUSEL RD.WILMINGTON, DE 19801
Substance Release: FUEL OIL, [NO. 6]
Release Duration: Continuous
Est Quantity: Less Than 1.00 LITER
Release To: WATER;
Health Risk: FUEL OIL, [NO. 6]The following chemical information was taken from the CAMEO Chemical database.INGESTION: gastrointestinal irritation. ASPIRATION: pulmonary irritation is normally minimal but may become more severe several hours after exposure. (USCG, 1999)
Medical Attention: FUEL OIL, [NO. 6]The following chemical information was taken from the CAMEO Chemical database.INGESTION: do NOT lavage or induce vomiting. ASPIRATION: treatment probably not required; delayed development of pulmonary irritation can be detected by serial chest x-rays; consider prophylactic antibiotic regime if condition warrants. EYES: wash with copious quantity of water. SKIN: wipe off and wash with soap and water. (USCG, 1999)
Prerecomm: None
Pub Notified: NO
Facility Contact: PORT OF WILMINGTON
Facility Contact Tele: Not reported
Facility Contact Email: Not reported
Status: Final
Additional Info: ON THE ABOVE DATE AND TIME A SPILL OF FUEL OIL OCCURRED AT THE ABOVE LOCATION. THE SPILL WAS CAUSED BY MECHANICAL FAILURE AND WAS ESTIMATED TO BE LESS THAN 1 LITER.

Name: DIAMOND STATE PORT CORPORATION
Address: 1 HAUSEL ROAD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 2142

PORT OF WILMINGTON (Continued) **S109093874**

Release ID: 13539
Release Date: 07/16/2009
Hazardous: NO
Report Date: 07/17/2009
Release Location: DIAMOND STATE PORT CORPORATIONPORT OF WILMINGTONBERTH 3 1 HAUSEL ROADWILMINGTON, DE 19801
Substance Release: FUEL OIL, [NO. 2]
Release Duration: Continuous
Est Quantity: Equal To 20.00 GALLONS
Release To: GROUND; WATER;
Health Risk: FUEL OIL, [NO. 2]The following chemical information was taken from the CAMEO Chemical database.INHALATION causes headache and slight giddiness. INGESTION causes nausea, vomiting, and cramping; depression of central nervous system ranging from mild headache to anesthesia, coma, and death; pulmonary irritation secondary to exhalation of solvent; signs of kidney and liver damage may be delayed. ASPIRATION causes severe lung irritation with coughing, gagging, dyspnea, substernal distress, and rapidly developing pulmonary edema; later, signs of bronchopneumonia and pneumonitis; acute onset of central nervous system excitement followed by depression. (USCG, 1999)
Medical Attention: FUEL OIL, [NO. 2]The following chemical information was taken from the CAMEO Chemical database.INGESTION: do NOT induce vomiting. ASPIRATION: enforce bed rest; administer oxygen; seek medical attention. EYES: wash with copious quantity of water. SKIN: remove solvent by wiping and wash with soap and water. (USCG, 1999)
Prerecomm: None
Pub Notified: NO
Facility Contact: DAN MYSLINSKI
Facility Contact Tele: 302-472-7830
Facility Contact Email: Not reported
Status: Final
Additional Info: PROBLEM WITH FUEL TRANSFER SYSTEM ON CRANE AT FACILITY RESULTED IN THE SPILL OF FUEL ONTO THE DOCK. SPILL ENTERED STORM DRAINS ON DOCK CAUSING VISIBLE SHEEN IN CHRISTINA RIVER. CLEAN UP DONE.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 4525
Release ID: 16147
Release Date: 01/26/2019
Hazardous: NO
Report Date: 01/26/2019
Release Location: 1 HAUSEL RD.WILMINGTON, DE 19801
Substance Release: BRAKE FLUID, HYDRAULIC
Release Duration: Continuous
Est Quantity: Less Than 500.00 GALLONS
Release To: GROUND;
Health Risk: BRAKE FLUID, HYDRAULICThe following chemical information was taken from the CAMEO Chemical database.May cause toxic effects if inhaled or absorbed through skin. Inhalation or contact with material may irritate or burn skin and eyes.

PORT OF WILMINGTON (Continued) **S109093874**

Fire will produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution. (DOT, 1996)

Medical Attention: BRAKE FLUID, HYDRAULICThe following chemical information was taken from the CAMEO Chemical database.Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Wash skin with soap and water. Keep victim warm and quiet. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. (DOT, 1996)

Prerecomm: None
Pub Notified: NO
Facility Contact: PORT OF WILMINGTON
Facility Contact Tele: Not reported
Facility Contact Email: Not reported
Status: Final
Additional Info: ON THE ABOVE DATE AND TIME A SPILL OF HYDRAULIC FLUID WAS SPILLED AT THE ABOVE LOCATION. THE SPILL WAS CAUSED BY A MECHANICAL FAILURE ON A PIECE OF EQUIPMENT. THE SPILL WAS ESTIMATED TO BE LESS THAN 500 GALLONS. EMERGENCY CREWS RESPONDED FOR CLEAN UP.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 3163
Release ID: 16204
Release Date: 04/13/2019
Hazardous: NO
Report Date: 04/13/2019
Release Location: PORT OF WILMINGTON1 HAUSEL ROAD WILMINGTON, DE 19801
Substance Release: BRAKE FLUID, HYDRAULIC
Release Duration: Continuous
Est Quantity: N/A
Release To: WATER;
Health Risk: BRAKE FLUID, HYDRAULICThe following chemical information was taken from the CAMEO Chemical database.May cause toxic effects if inhaled or absorbed through skin. Inhalation or contact with material may irritate or burn skin and eyes. Fire will produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution. (DOT, 1996)

Medical Attention: BRAKE FLUID, HYDRAULICThe following chemical information was taken from the CAMEO Chemical database.Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Wash skin with soap and water. Keep victim warm and quiet. Effects of exposure (inhalation,

PORT OF WILMINGTON (Continued) **S109093874**

ingestion or skin contact) to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. (DOT, 1996)

Prerecomm: None
Pub Notified: NO
Facility Contact: HORNE, RANDY
Facility Contact Tele: 302-893-5618
Facility Contact Email: Not reported
Status: Final
Additional Info: UNKNOWN AMOUNT OF HYDRAULIC FLUID RELEASED INTO WATER AS A RESULT OF MACHINERY MALFUNCTION AND RAIN.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19802
Facility ID: 4405
Release ID: 16023
Release Date: 08/09/2018
Hazardous: NO
Report Date: 08/09/2018
Release Location: GIST RD WAREHOUSE HPORT OF WILMINGTONWILM DE 19802
Substance Release: FUEL OIL, [DIESEL]
Release Duration: Continuous
Est Quantity: Equal To 35.00 GALLONS
Release To: GROUND;
Health Risk: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.LIQUID: Irritating to skin and eyes. Harmful if swallowed. (USCG, 1999)
Medical Attention: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.EYES: First check the victim for contact lenses and remove if present. Flush victim s eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim s eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.SKIN: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing.INGESTION: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control

PORT OF WILMINGTON (Continued) **S109093874**

center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim s airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)

Prerecomm: None
Pub Notified: NO
Facility Contact: PESTO, CHRISTY
Facility Contact Tele: Not reported
Facility Contact Email: Not reported
Status: Final
Additional Info: UNK REASON TRAILER CAME UNHOOKED FROM THE TRACTOR CAUSING THE TRAILER LANDING GEAR TO DAMAGE THE FUEL TANK FOR THE REFRIG. UNIT

Name: PORT OF WILMINGTON
Address: 1 HAUSEL ROAD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 2233
Release ID: 16051
Release Date: 09/11/2018
Hazardous: NO
Report Date: 09/11/2018
Release Location: 1 HAUSEL ROADWILMINGTON, DE 19801
Substance Release: BRAKE FLUID, HYDRAULIC ; FUEL OIL, [DIESEL]
Release Duration: Continuous
Est Quantity: Less Than 40.00 GALLONS
Release To: GROUND;
Health Risk: BRAKE FLUID, HYDRAULICThe following chemical information was taken from the CAMEO Chemical database.May cause toxic effects if inhaled or absorbed through skin. Inhalation or contact with material may irritate or burn skin and eyes. Fire will produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution. (DOT, 1996)FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.LIQUID: Irritating to skin and eyes. Harmful if swallowed. (USCG, 1999)
Medical Attention: BRAKE FLUID, HYDRAULICThe following chemical information was taken from the CAMEO Chemical database.Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Wash skin with soap and water. Keep victim warm and quiet. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. (DOT, 1996)FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.EYES: First check the victim for contact lenses and remove if present. Flush victim s eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a

PORT OF WILMINGTON (Continued) **S109093874**

hospital or poison control center. Do not put any ointments, oils, or medication in the victim s eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.SKIN: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing.INGESTION: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim s airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)

Prerecomm: None
Pub Notified: NO
Facility Contact: PAT FARRELL
Facility Contact Tele: 302-898-0956
Facility Contact Email: Not reported
Status: Final
Additional Info: APPROXIMATELY 40 GALLONS OF DIESEL FUEL SPILLED AT PORT OF WILMINGTON. CLEAN UP IN PROGRESS.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 2537
Release ID: 14020
Release Date: 06/01/2011
Hazardous: NO
Report Date: 06/01/2011
Release Location: WAREHOUSE FPORT OF WILMINGTON1 HAUSEL RDWILMINGTON, DE 19801
Substance Release: FUEL OIL, [DIESEL]
Release Duration: Continuous
Est Quantity: Less Than 50.00 GALLONS
Release To: GROUND; WATER;
Health Risk: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.LIQUID: Irritating to skin and eyes. Harmful if swallowed. (USCG, 1999)
Medical Attention: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.EYES: First check

PORT OF WILMINGTON (Continued) **S109093874**

the victim for contact lenses and remove if present. Flush victim s eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim s eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.SKIN: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing.INGESTION: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim s airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)

Prerecomm: None
Pub Notified: NO
Facility Contact: MURPHY MARINE SERVICES INC
Facility Contact Tele: 302-571-4700
Facility Contact Email: Not reported
Status: Final
Additional Info: SPILL IS THE RESULT OF A MOTOR VEHICLE ACCIDENT INVOLVING A TRACTOR TRAILER THAT STRUCK A BALLARD CAUSING DAMAGE TO THE FUEL TANK FOR THE REFRIGERATION UNIT ON THE TRAILER. SPILL TOOK PLACE ON A PAVED SURFACE, HOWEVER SOME OF THE FUEL DID ENTER A STORM DRAIN. CLEAN UP TO BE DONE.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL ROAD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 2233
Release ID: 13662
Release Date: 12/04/2009
Hazardous: NO
Report Date: 12/04/2009
Release Location: PORT OF WILMINGTONBERTH 51 HAUSEL RDWILMINGTON, DE 19801
Substance Release: FUEL OIL, [NO. 6]
Release Duration: Continuous
Est Quantity: Less Than 25.00 GALLONS
Release To: WATER;

PORT OF WILMINGTON (Continued) **S109093874**

Health Risk: FUEL OIL, [NO. 6]The following chemical information was taken from the CAMEO Chemical database.INGESTION: gastrointestinal irritation. ASPIRATION: pulmonary irritation is normally minimal but may become more severe several hours after exposure. (USCG, 1999)
Medical Attention: FUEL OIL, [NO. 6]The following chemical information was taken from the CAMEO Chemical database.INGESTION: do NOT lavage or induce vomiting. ASPIRATION: treatment probably not required; delayed development of pulmonary irritation can be detected by serial chest x-rays; consider prophylactic antibiotic regime if condition warrants. EYES: wash with copious quantity of water. SKIN: wipe off and wash with soap and water. (USCG, 1999)
Prerecomm: None
Pub Notified: YES
Facility Contact: SEATRADE USA
Facility Contact Tele: 484-443-8589
Facility Contact Email: Not reported
Status: Final
Additional Info: M/V CARIBBEAN MERMAID WAS LOADING FUEL WHEN TANK OVERFILLED CAUSING A SPILL ONTO THE DECK OF THE SHIP AND INTO THE WATERS OF THE CHRISTINA RIVER. CLEAN UP TO BE DONE.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19808
Facility ID: 4997
Release ID: 16623
Release Date: 03/28/2021
Hazardous: NO
Report Date: 03/28/2021
Release Location: PORT OF WILMINGTON1 HAUSEL RDPIER # 6WILMINGTON DE 19808
Substance Release: FUEL OIL, [NO. 6]
Release Duration: At Least 5 minutes
Est Quantity: Less Than 8.00 GALLONS
Release To: WATER;
Health Risk: FUEL OIL, [NO. 6]The following chemical information was taken from the CAMEO Chemical database.INGESTION: gastrointestinal irritation. ASPIRATION: pulmonary irritation is normally minimal but may become more severe several hours after exposure. (USCG, 1999)
Medical Attention: FUEL OIL, [NO. 6]The following chemical information was taken from the CAMEO Chemical database.INGESTION: do NOT lavage or induce vomiting. ASPIRATION: treatment probably not required; delayed development of pulmonary irritation can be detected by serial chest x-rays; consider prophylactic antibiotic regime if condition warrants. EYES: wash with copious quantity of water. SKIN: wipe off and wash with soap and water. (USCG, 1999)
Prerecomm: None
Pub Notified: NO
Facility Contact: PORT OF WILMINGTON
Facility Contact Tele: .
Facility Contact Email: .
Status: Final
Additional Info: WHILE FUELING A SHIP AT PIER #6 THERE WAS A SPILL OF #6 FUEL. APPROX 5 TO 8 GALLONS OF OIL ENTERED THE CHRISTIANA

PORT OF WILMINGTON (Continued) **S109093874**

RIVER.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 3540
Release ID: 15138
Release Date: 03/17/2015
Hazardous: NO
Report Date: 03/17/2015
Release Location: PORT OF WILMINGTONWILMINGTON, DE 19801
Substance Release: HYDRAULIC FLUID
Release Duration: Continuous
Est Quantity: Less Than 50.00 GALLONS
Release To: GROUND;
Health Risk: .
Medical Attention: .
Prerecomm: None
Pub Notified: NO
Facility Contact: PORT OF WILMINGTON
Facility Contact Tele: 302-472-7800
Facility Contact Email: Not reported
Status: Final
Additional Info: SPILL IS THE RESULT OF A PROBLEM WITH A CRANE ON THE DOCK. SPILL DID NOT APPEAR TO HAVE ENTERED THE WATER. CLEAN UP TO BE DONE.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 4214
Release ID: 15829
Release Date: 10/30/2017
Hazardous: NO
Report Date: 10/30/2017
Release Location: PORT OF WILM BERTH 31 HAUSEL RDWILMINGTON DE 19801
Substance Release: OIL, PETROLEUM, N.O.S.
Release Duration: At Least 1 minutes
Est Quantity: Equal To 50.00 GALLONS
Release To: GROUND;
Health Risk: OIL, PETROLEUM, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution. (DOT, 1996)
Medical Attention: OIL, PETROLEUM, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Wash skin with soap and water. Keep victim warm and quiet. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. (DOT, 1996)

PORT OF WILMINGTON (Continued) **S109093874**

Prerecomm: None
Pub Notified: NO
Facility Contact: TED KUREK
Facility Contact Tele: .
Facility Contact Email: .
Status: Final
Additional Info: DUE TO A FAILED METAL COUPLER ON A DELIVERY LINE, APPROX 50 GALLONS OF LUBR OIL SPILLED ONTO THE CONDRETE DOCK AT THE PORT OF WILM. THE SPILL WAS CONTAINED TO THE CONCRETE DOCK.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL ROAD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 4677
Release ID: 16305
Release Date: 09/26/2019
Hazardous: NO
Report Date: 09/27/2019
Release Location: PORT OF WILMINGTON1 HAUSEL ROADWILMINGTON, DE 19801
Substance Release: OIL, PETROLEUM, N.O.S.
Release Duration: Continuous
Est Quantity: N/A
Release To: GROUND;
Health Risk: OIL, PETROLEUM, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution. (DOT, 1996)
Medical Attention: OIL, PETROLEUM, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Wash skin with soap and water. Keep victim warm and quiet. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. (DOT, 1996)
Prerecomm: None
Pub Notified: NO
Facility Contact: HUDSON MARINE MANGEMENT SERVICE
Facility Contact Tele: 856-342-7500
Facility Contact Email: Not reported
Status: Final
Additional Info: PROBLEM WHILE FUELING VESSEL RESULTED IN A SPILL OF LOW SULFUR MARINE GAS OIL ONTO THE DECK. CLEAN UP DONE.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL ROAD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 2233
Release ID: 14313
Release Date: 04/22/2012
Hazardous: NO
Report Date: 04/22/2012

PORT OF WILMINGTON (Continued) **S109093874**

Release Location: PORT OF WILMINGOTN1 HAUSEL ROADWILMINGTON DE 19801
Substance Release: FUEL OIL, [NO. 2]
Release Duration: Continuous
Est Quantity: Equal To 1300.00 GALLONS
Release To: GROUND; WATER;
Health Risk: FUEL OIL, [NO. 2]The following chemical information was taken from the CAMEO Chemical database.INHALATION causes headache and slight giddiness. INGESTION causes nausea, vomiting, and cramping; depression of central nervous system ranging from mild headache to anesthesia, coma, and death; pulmonary irritation secondary to exhalation of solvent; signs of kidney and liver damage may be delayed. ASPIRATION causes severe lung irritation with coughing, gagging, dyspnea, substernal distress, and rapidly developing pulmonary edema; later, signs of bronchopneumonia and pneumonitis; acute onset of central nervous system excitement followed by depression. (USCG, 1999)
Medical Attention: FUEL OIL, [NO. 2]The following chemical information was taken from the CAMEO Chemical database.INGESTION: do NOT induce vomiting. ASPIRATION: enforce bed rest; administer oxygen; seek medical attention. EYES: wash with copious quantity of water. SKIN: remove solvent by wiping and wash with soap and water. (USCG, 1999)
Prerecomm: None
Pub Notified: NO
Facility Contact: RANDALL HORNE
Facility Contact Tele: 302-893-5618
Facility Contact Email: Not reported
Status: Final
Additional Info: RECEIVED AN NRC FAX STATING THERE HAD BEEN A SPILL OF 1300 GALLONS OF DIESEL FUEL FROM A SHIP TO SHORE TYPE CRANE. INCIDENT WAS REPORTED BY RANDALL HORNE WHO STATED THERE APPEARED TO BE AN ELECTRICAL PROBLEM WITH THE CRANE IN QUESTION BECAUSE IT WAS NOT BEING USED. THE PUMP ACTIVATED BECAUSE OF AN ELECTRICAL PROBLEM CASUING THE FUEL TO EMPTY FROM THE FUEL TANK ONTO THE DOCK AND INTO CATCH BASINS ON THE DOCK. RANDALL RELATED HE DID NOT KNOW IF ANY FUEL REACHED THE DE RIVER BECAUSE OF THE DARKNESS. DNREC 4/HIGGINS RESPONDED AND WHEN DAYLIGHT BROKE THERE WAS A SHEEN IN THE RIVER AND LARGE PUDDLES OF DIESEL FUEL ON THE DOCK AS WELL.

Name: SPILL LOCATION
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 2748
Release ID: 14271
Release Date: 03/05/2012
Hazardous: NO
Report Date: 03/05/2012
Release Location: 1 HAUSEL RD WILMINGTON DE 19801
Substance Release: FUEL OIL, [DIESEL]
Release Duration: Continuous
Est Quantity: Equal To 5.00 GALLONS
Release To: GROUND;
Health Risk: FUEL OIL, [DIESEL]The following chemical information was

PORT OF WILMINGTON (Continued) **S109093874**

taken from the CAMEO Chemical database.LIQUID: Irritating to skin and eyes. Harmful if swallowed. (USCG, 1999)

Medical Attention: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.EYES: First check the victim for contact lenses and remove if present. Flush victim s eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim s eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.SKIN: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing.INGESTION: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim s airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)

Prerecomm: None
Pub Notified: NO
Facility Contact: ROBERT BECK
Facility Contact Tele: 717-541-2151
Facility Contact Email: Not reported
Status: Final
Additional Info: REPORTING PERSON (RP/ROBERT BECK) RELATED A TRACTOR TRAILER DRIVER FAILED TO STOP AT A RAILROAD CROSSING BEING MANNED BY A CONDCUTOR FOR NORFOLK-SOUTHERN RAILROAD. RP RELATED THERE WAS ONLY FIVE (5) GALLONS OF DIESEL FULE SPILLED FROM THE SADDLE TANK OF THE TRUCK. RP RELATED THE AREA WAS CLEANED UP BY LOCAL RESPONDERS. THE REMAINING FUEL IN THE SADDLE TANK IS GOING TO BE PUMPED OUT.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 2537
Release ID: 14741
Release Date: 10/29/2013
Hazardous: NO

PORT OF WILMINGTON (Continued) **S109093874**

Report Date: 10/29/2013
Release Location: BERTH #3PORT OF WILMINGTON1 HAUSEL RDWILMINGTON, DE 19801
Substance Release: FUEL OIL, [DIESEL]
Release Duration: Continuous
Est Quantity: Less Than 5.00 GALLONS
Release To: WATER;
Health Risk: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.LIQUID: Irritating to skin and eyes. Harmful if swallowed. (USCG, 1999)
Medical Attention: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.EYES: First check the victim for contact lenses and remove if present. Flush victim s eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim s eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.SKIN: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing.INGESTION: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim s airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)
Prerecomm: None
Pub Notified: NO
Facility Contact: DNREC
Facility Contact Tele: 800-662-8802
Facility Contact Email: Not reported
Status: Final
Additional Info: SPILL IS THE RESULT OF A PROBLEM WHILE LOADING FUEL ONTO THE MV LINGUE WHILE DOCKED AT THE PORT OF WILMINGTON. SPILL DID ENTER THE WATER. CLEAN UP TO BE DONE.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 3163

PORT OF WILMINGTON (Continued) **S109093874**

Release ID: 14734
Release Date: 10/13/2013
Hazardous: NO
Report Date: 10/13/2013
Release Location: 1 HAUSEL RD.WILMINGTON, DE 19801
Substance Release: BRAKE FLUID, HYDRAULIC
Release Duration: Continuous
Est Quantity: Less Than 50.00 GALLONS
Release To: WATER;
Health Risk: BRAKE FLUID, HYDRAULICThe following chemical information was taken from the CAMEO Chemical database.May cause toxic effects if inhaled or absorbed through skin. Inhalation or contact with material may irritate or burn skin and eyes. Fire will produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution. (DOT, 1996)
Medical Attention: BRAKE FLUID, HYDRAULICThe following chemical information was taken from the CAMEO Chemical database.Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Wash skin with soap and water. Keep victim warm and quiet. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. (DOT, 1996)
Prerecomm: None
Pub Notified: NO
Facility Contact: PORT OF WILMINGTON
Facility Contact Tele: Not reported
Facility Contact Email: Not reported
Status: Final
Additional Info: ON THE ABOVE DATE AND TIME HYDRAULIC OIL WAS SPILLED AT THE ABOVE LOCATION DUE TO AN EQUIPMENT FAILURE ON BOARD A SHIPPING VESSEL. THE LEAK WAS STOPPED AND CLEAN UP WAS CONDUCTED. THE SPILL IS ESTIMATED TO BE LESS THAN 50 GALLONS.

Name: PORT OF WILMINGTON
Address: 1 HAUSEL ROAD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 2233
Release ID: 14341
Release Date: 05/29/2012
Hazardous: NO
Report Date: 05/29/2012
Release Location: PORT OF WILMINGTON, BERTH 6. ONTO THE GROUND AND INTO THE DELAWARE RIVER
Substance Release: OIL, PETROLEUM, N.O.S.
Release Duration: Continuous
Est Quantity: Equal To 4.00 LITER
Release To: GROUND; WATER;
Health Risk: OIL, PETROLEUM, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Inhalation or

PORT OF WILMINGTON (Continued) **S109093874**

contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution. (DOT, 1996)

Medical Attention: OIL, PETROLEUM, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Wash skin with soap and water. Keep victim warm and quiet. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. (DOT, 1996)

Prerecomm: None
Pub Notified: NO
Facility Contact: ALEC HANNAN
Facility Contact Tele: 267-575-1848
Facility Contact Email: Not reported
Status: Final
Additional Info: SPILL OF A TOTAL OF 4 LITERS OF HYDRAULIC OIL, 2 LITERS ON THE GROUND AND 2 LITERS INTO THE DELAWARE RIVER. THE SPILL WAS CAUSED BY A BURST HYDRAULIC LINE ON A CRANE ONBOARD A SHIP BERTHED AT THE PORT.

Name: SPILL LOCATION
Address: 1 HAUSEL RD
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 2697
Release ID: 14218
Release Date: 12/30/2011
Hazardous: NO
Report Date: 12/30/2011
Release Location: 1 HAUSEL RDWILMINGTON, DE 19801
Substance Release: FUEL OIL, [DIESEL]
Release Duration: Continuous
Est Quantity: Less Than 10.00 GALLONS
Release To: WATER;
Health Risk: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.LIQUID: Irritating to skin and eyes. Harmful if swallowed. (USCG, 1999)

Medical Attention: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.EYES: First check the victim for contact lenses and remove if present. Flush victim s eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim s eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.SKIN: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to

PORT OF WILMINGTON (Continued) **S109093874**

a hospital for treatment.INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing.INGESTION: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim s airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)

Prerecomm: None
Pub Notified: NO
Facility Contact: VANE BROTHERS
Facility Contact Tele: 410-631-7773
Facility Contact Email: Not reported
Status: Final
Additional Info: 5 TO 10 GALLONS OF DIESEL FUEL WAS SPILLED INTO THE WATER AT THE PORT OF WILMINGTON DUE TO AN OVERFLOW WHILE TRANSFERRING FUEL BETWEEN TANKS. CLEAN UP WAS CONDUCTED BY THE RESPONSIBLE PARTY.

AIRS:

Name: GT USA WILMINGTON, LLC
Address: 1 HAUSEL ROAD
City,State,Zip: WILMINGTON, DE 19801
Facility Id: 10153008
X Coordinate: Not reported
Y Coordinate: Not reported
Reference Point: Not reported
Horizontal Method: Not reported
Latitude: Not reported
Longitude: Not reported
Watershed: Not reported
Basin: Not reported
State House District: Not reported
Representative: Not reported
State Senate District: Not reported
Senator: Not reported
School District: Not reported
Quad: Not reported
State Abbreviation: Not reported
Town: Not reported
PI ID: 24166
Prog ID: 1000300622
Additional Info: Not reported
CareOf: Not reported
ReferencePt: Not reported
HorizontalMethod: Not reported

PORT OF WILMINGTON (Continued) **S109093874**

LocType:	Not reported
LatitudeDec:	Not reported
LongitudeDec:	Not reported
LatitudeDegrees:	Not reported
LatitudeMinutes:	Not reported
LatitudeSeconds:	Not reported
LongitudeDegrees:	Not reported
LongitudeMinutes:	Not reported
LongitudeSeconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
PO Name:	Not reported
ZIP5:	Not reported
TaxID:	Not reported
SewerDistrict:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC Basin:	Not reported
Quad:	Not reported
SenateDistrict:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	PORT OF WILMINGTON FUMIGATION
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10755789
X Coordinate:	Not reported
Y Coordinate:	Not reported
Reference Point:	Not reported
Horizontal Method:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Watershed:	Not reported
Basin:	Not reported
State House District:	Not reported
Representative:	Not reported
State Senate District:	Not reported
Senator:	Not reported
School District:	Not reported
Quad:	Not reported
State Abbreviation:	Not reported
Town:	Not reported
PI ID:	603122
Prog ID:	1000300986
Additional Info:	Not reported
CareOf:	Not reported
ReferencePt:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

HorizontalMethod:	Not reported
LocType:	Not reported
LatitudeDec:	Not reported
LongitudeDec:	Not reported
LatitudeDegrees:	Not reported
LatitudeMinutes:	Not reported
LatitudeSeconds:	Not reported
LongitudeDegrees:	Not reported
LongitudeMinutes:	Not reported
LongitudeSeconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
PO Name:	Not reported
ZIP5:	Not reported
TaxID:	Not reported
SewerDistrict:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC Basin:	Not reported
Quad:	Not reported
SenateDistrict:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

NPDES:

Name:	PORT OF WILM. VOLKSWAGEN LOT REPLACEMENT
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10153008
PI Id:	446040
PI Name:	PORT OF WILM. VOLKSWAGEN LOT REPLACEMENT
Prog Id:	1999-005
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	NASCO REHAB. PORT OF WILM,
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10153008
PI Id:	446270
PI Name:	NASCO REHAB. PORT OF WILM,
Prog Id:	1997-035
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported
Name:	PORT OF WILM. AGWAY BLDG. DEMO
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10153008
PI Id:	446289
PI Name:	PORT OF WILM. AGWAY BLDG. DEMO
Prog Id:	1998-005
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported
Name:	PORT OF WILM. WAREHOUSE "E" DEMOLITION
Address:	1 HAUSEL ROAD

PORT OF WILMINGTON (Continued) **S109093874**

City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10153008
PI Id:	446321
PI Name:	PORT OF WILM. WAREHOUSE "E" DEMOLITION
Prog Id:	1998-031
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	PORT OF WILM. CRANE RAIL REPLACEMENT
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10153008
PI Id:	446365
PI Name:	PORT OF WILM. CRANE RAIL REPLACEMENT
Prog Id:	1999-001
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	PORT OF WILM. LAFARGE GYPSUM
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10153008
PI Id:	446366
PI Name:	PORT OF WILM. LAFARGE GYPSUM
Prog Id:	1999-002
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	PORT OF WILM. WAREHOUSE "G"
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10153008
PI Id:	446386
PI Name:	PORT OF WILM. WAREHOUSE "G"
Prog Id:	1999-044
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	WILM. PIECE DYE SITE
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10153008
PI Id:	446405
PI Name:	WILM. PIECE DYE SITE
Prog Id:	2000-012
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	PORT OF WILM. WAREHOUSE H
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10153008
PI Id:	446592

PORT OF WILMINGTON (Continued) **S109093874**

PI Name:	PORT OF WILM. WAREHOUSE H
Prog Id:	2005-027
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	WILMINGTON PIECE DYE(ROCKFORD FALLS) BROWNFIELD DEMO PLAN
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10153008
PI Id:	446701
PI Name:	WILMINGTON PIECE DYE(ROCKFORD FALLS) BROWNFIELD DEMO PLAN
Prog Id:	2007-042
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

TIER 2:

Name:	PORT OF WILMINGTON
Address:	1 HAUSEL RD
City,State,Zip:	WILMINGTON, DE 19901
Facility ID:	897
Tier II Report Yr:	2019
Facility Corporate Name:	GT USA Wilmington, LLC
EHS Year:	Not reported
CAS Number:	7664417
Chemical:	Ammonia (anhydrous)
Facility Status:	ACTIVE
Is EHS:	Yes
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	GT USA WILMINGTON, LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024727681

PORT OF WILMINGTON (Continued) **S109093874**

Tier II Report Yr:	2019
Facility Corporate Name:	GT USA Wilmington, LLC
EHS Year:	Not reported
CAS Number:	68334305
Chemical:	DIESEL FUEL
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	GT USA WILMINGTON, LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024727681

Tier II Report Yr:	2019
Facility Corporate Name:	GT USA Wilmington, LLC
EHS Year:	Not reported
CAS Number:	107211
Chemical:	ethylene glycol
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	GT USA WILMINGTON, LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024727681

Tier II Report Yr:	2019
Facility Corporate Name:	GT USA Wilmington, LLC
EHS Year:	Not reported
CAS Number:	N/A
Chemical:	Fluorinated hydrocarbons
Facility Status:	ACTIVE

PORT OF WILMINGTON (Continued) **S109093874**

Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: GT USA WILMINGTON, LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024727681
Compliance Contact Company: Mark Wayman
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024727681

Tier II Report Yr: 2019
Facility Corporate Name: GT USA Wilmington, LLC
EHS Year: Not reported
CAS Number: 86290815
Chemical: GASOLINE (FUEL)
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: GT USA WILMINGTON, LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024727681
Compliance Contact Company: Mark Wayman
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024727681

Tier II Report Yr: 2019
Facility Corporate Name: GT USA Wilmington, LLC
EHS Year: Not reported
CAS Number: 75456
Chemical: Halocarbon 22
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: GT USA WILMINGTON, LLC

PORT OF WILMINGTON (Continued) **S109093874**

Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024727681

Tier II Report Yr:	2019
Facility Corporate Name:	GT USA Wilmington, LLC
EHS Year:	Not reported
CAS Number:	N/A
Chemical:	Halocarbon R-404A
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	GT USA WILMINGTON, LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024727681

Tier II Report Yr:	2019
Facility Corporate Name:	GT USA Wilmington, LLC
EHS Year:	Not reported
CAS Number:	N/A
Chemical:	Halocarbon R-507
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	GT USA WILMINGTON, LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024727681

Tier II Report Yr: 2019
Facility Corporate Name: GT USA Wilmington, LLC
EHS Year: Not reported
CAS Number: N/A
Chemical: Lead Acid Battery
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: GT USA WILMINGTON, LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024727681
Compliance Contact Company: Mark Wayman
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024727681

Tier II Report Yr: 2019
Facility Corporate Name: GT USA Wilmington, LLC
EHS Year: Not reported
CAS Number: 64742547
Chemical: MOTOR OIL
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: GT USA WILMINGTON, LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024727681
Compliance Contact Company: Mark Wayman
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024727681

PORT OF WILMINGTON (Continued) **S109093874**

Tier II Report Yr:	2019
Facility Corporate Name:	GT USA Wilmington, LLC
EHS Year:	Not reported
CAS Number:	74986
Chemical:	PROPANE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	GT USA WILMINGTON, LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024727681

Tier II Report Yr:	2019
Facility Corporate Name:	GT USA Wilmington, LLC
EHS Year:	Not reported
CAS Number:	78488
Chemical:	urea
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	GT USA WILMINGTON, LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024727681

Tier II Report Yr:	2019
Facility Corporate Name:	GT USA Wilmington, LLC
EHS Year:	Not reported
CAS Number:	70514124
Chemical:	WASTE MOTOR OIL
Facility Status:	ACTIVE

PORT OF WILMINGTON (Continued) **S109093874**

Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: GT USA WILMINGTON, LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024727681
Compliance Contact Company: Mark Wayman
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024727681

Tier II Report Yr: 2017
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: 7664417
Chemical: Ammonia (anhydrous)
Facility Status: ACTIVE
Is EHS: Yes
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024727681
Compliance Contact Company: Mark Wayman
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: 68334305
Chemical: DIESEL FUEL
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE

PORT OF WILMINGTON (Continued) **S109093874**

Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2017
Facility Corporate Name:	DIAMOND STATE PORT CORP
EHS Year:	Not reported
CAS Number:	86290815
Chemical:	GASOLINE (FUEL)
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2017
Owner Operator Name:	STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2017
Facility Corporate Name:	DIAMOND STATE PORT CORP
EHS Year:	Not reported
CAS Number:	64742547
Chemical:	MOTOR OIL
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2017
Owner Operator Name:	STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: 74986
Chemical: PROPANE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024727681
Compliance Contact Company: Mark Wayman
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: 70514124
Chemical: WASTE MOTOR OIL
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024727681
Compliance Contact Company: Mark Wayman
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Tier II Report Yr:	2009
Facility Corporate Name:	DIAMOND STATE PORT CORP
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	PROPANE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2009
Owner Operator Name:	STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3027394111
Compliance Contact Company:	Ward Gagnon
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024727681

Tier II Report Yr:	2009
Facility Corporate Name:	DIAMOND STATE PORT CORP
EHS Year:	Not reported
CAS Number:	N/A
Chemical:	DIESEL FUEL
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2009
Owner Operator Name:	STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3027394111
Compliance Contact Company:	Ward Gagnon
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024727681

Tier II Report Yr:	2009
Facility Corporate Name:	DIAMOND STATE PORT CORP
EHS Year:	Not reported
CAS Number:	N/A
Chemical:	GASOLINE (FUEL)
Facility Status:	ACTIVE

PORT OF WILMINGTON (Continued) **S109093874**

Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3027394111
Compliance Contact Company: Ward Gagnon
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024727681

Tier II Report Yr: 2014
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: Not reported
Chemical: Not reported
Facility Status: ACTIVE
Is EHS: Not reported
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2014
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Year: 2014
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3027394111
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Tier II Report Yr:	2014
Facility Corporate Name:	DIAMOND STATE PORT CORP
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	MOTOR OIL
Facility Status:	ACTIVE
Is EHS:	Yes
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2014
Owner Operator Name:	STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Year:	2014
Owner Operator Name:	STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3027394111
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2014
Facility Corporate Name:	DIAMOND STATE PORT CORP
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	DIESEL FUEL
Facility Status:	ACTIVE
Is EHS:	Yes
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2014
Owner Operator Name:	STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Year: 2014
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3027394111
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2014
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: Not reported
Chemical: GASOLINE (FUEL)
Facility Status: ACTIVE
Is EHS: Yes
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2014
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Year: 2014
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3027394111
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2014
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: Not reported
Chemical: WASTE MOTOR OIL
Facility Status: ACTIVE
Is EHS: Yes
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2014
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Year: 2014
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3027394111
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2014
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: Not reported
Chemical: PROPANE
Facility Status: ACTIVE
Is EHS: Yes
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2014
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Year: 2014
Owner Operator Name: STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3027394111
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2018
Facility Corporate Name: GT USA Wilmington, LLC
EHS Year: Not reported
CAS Number: 7664417
Chemical: Ammonia (anhydrous)
Facility Status: ACTIVE
Is EHS: Yes
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: GT USA WILMINGTON, LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024727681
Compliance Contact Company: Mark Wayman
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024727681

Tier II Report Yr: 2018
Facility Corporate Name: GT USA Wilmington, LLC
EHS Year: Not reported
CAS Number: 68334305
Chemical: DIESEL FUEL
Facility Status: ACTIVE

PORT OF WILMINGTON (Continued) **S109093874**

Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: GT USA WILMINGTON, LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024727681
Compliance Contact Company: Mark Wayman
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024727681

Tier II Report Yr: 2018
Facility Corporate Name: GT USA Wilmington, LLC
EHS Year: Not reported
CAS Number: 86290815
Chemical: GASOLINE (FUEL)
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: GT USA WILMINGTON, LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024727681
Compliance Contact Company: Mark Wayman
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024727681

Tier II Report Yr: 2018
Facility Corporate Name: GT USA Wilmington, LLC
EHS Year: Not reported
CAS Number: 64742547
Chemical: MOTOR OIL
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: GT USA WILMINGTON, LLC

PORT OF WILMINGTON (Continued) **S109093874**

Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024727681

Tier II Report Yr:	2018
Facility Corporate Name:	GT USA Wilmington, LLC
EHS Year:	Not reported
CAS Number:	74986
Chemical:	PROPANE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2018
Owner Operator Name:	GT USA WILMINGTON, LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024727681

Tier II Report Yr:	2018
Facility Corporate Name:	GT USA Wilmington, LLC
EHS Year:	Not reported
CAS Number:	70514124
Chemical:	WASTE MOTOR OIL
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2018
Owner Operator Name:	GT USA WILMINGTON, LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024727681
Compliance Contact Company:	Mark Wayman
Compliance Contact Title:	Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024727681

Tier II Report Yr: 2016
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: 7664417
Chemical: Ammonia (anhydrous)
Facility Status: ACTIVE
Is EHS: Yes
Is Containing EHS: Not reported

Tier II Report Yr: 2016
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: 68334305
Chemical: DIESEL FUEL
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Tier II Report Yr: 2016
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: 86290815
Chemical: GASOLINE (FUEL)
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Tier II Report Yr: 2016
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: 64742547
Chemical: MOTOR OIL
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Tier II Report Yr: 2016
Facility Corporate Name: DIAMOND STATE PORT CORP
EHS Year: Not reported
CAS Number: 74986
Chemical: PROPANE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

PORT OF WILMINGTON (Continued) **S109093874**

Tier II Report Yr:	2016
Facility Corporate Name:	DIAMOND STATE PORT CORP
EHS Year:	Not reported
CAS Number:	70514124
Chemical:	WASTE MOTOR OIL
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Tier II Report Yr:	2013
Facility Corporate Name:	DIAMOND STATE PORT CORP
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	Not reported
Facility Status:	ACTIVE
Is EHS:	Not reported
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2013
Owner Operator Name:	STATE OF DELAWARE / DEPT OF STATE
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3027394111
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

M57 **PORT OF WILMINGTON** **DE VCP** **S118585351**
SSW **1 HAUSEL ROAD** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.493 mi.
2603 ft. **Site 3 of 3 in cluster M**

Relative:
Lower

Actual:
7 ft.

VCP:

Name:	PORT OF WILMINGTON
Address:	1 HAUSEL ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10730048
Program ID:	DE-1630
Site Type:	Power Plant
Care Of:	Not reported
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
X Coordinate Nad83 Meters:	190783.3
Y Coordinate Nad83 Meters:	190611.54
Latitude Dec:	39.7169820
Longitude Dec:	-75.524156
Latitude Degrees:	39

PORT OF WILMINGTON (Continued) **S118585351**

Latitude Minutes:	43
Latitude Seconds:	1.1352
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	26.9616000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-352

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58 **CABEAN SQUARE** **DE INST CONTROL** **S106227382**
WNW **BRADFORD & A STREET** **DE VCP** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.498 mi.
2631 ft.

Relative:
Lower

Actual:
8 ft.

Inst Control:

Name:	CABEAN SQUARE
Address:	BRADFORD & A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1081
Report Title:	Deed Restriction Sites
Site Type:	VCP
Deed Restriction Date:	06/23/1998
Restrictions:	No restrictions.

Name:	CABEAN SQUARE
Address:	BRADFORD & A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1081
Report Title:	Deed Restriction Sites
Site Type:	VCP
Deed Restriction Date:	Not reported
Restrictions:	Use of groundwater to be restricted.

VCP:

Name:	CABEAN SQUARE
Address:	BRADFORD & A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056383
Program ID:	DE-1081
Site Type:	Debris Disposal Area
Care Of:	Not reported

CABEAN SQUARE (Continued) **S106227382**

Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
X Coordinate Nad83 Meters:	189294.7
Y Coordinate Nad83 Meters:	191964.76
Latitude Dec:	39.7288890
Longitude Dec:	-75.541662
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	44.0003999
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	29.9832
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

59
SW
1/4-1/2
0.499 mi.
2634 ft.

TERMINAL AVENUE WIDENING **DE VCP** **S105194120**
TERMINAL AVENUE **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
4 ft.

VCP:

Name:	TERMINAL AVENUE WIDENING
Address:	TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056356
Program ID:	DE-1026
Site Type:	Not reported
Care Of:	Not reported
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
X Coordinate Nad83 Meters:	189938.2
Y Coordinate Nad83 Meters:	190645.75
Latitude Dec:	39.7172800
Longitude Dec:	-75.534012
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	2.20800000
Longitude Degrees:	-75
Longitude Minutes:	32

TERMINAL AVENUE WIDENING (Continued) **S105194120**

Longitude Seconds:	2.4432
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone A
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-352

60
NNW
1/2-1
0.506 mi.
2672 ft.

VETS WELDING/EAST 7TH ST. PENINSULA **DE SHWS** **S109552248**
800 INDUSTRIAL STREET **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
10 ft.

SHWS:

Name:	VETS WELDING/EAST 7TH ST. PENINSULA
Address:	800 INDUSTRIAL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056123
Site Type:	Not reported
Care Of:	Not reported
PI ID:	26918
Prog ID:	DE-1254
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190482.05
YCoordinate NAD83 Meters:	192928.72
Latitude Dec:	39.73795
Longitude Dec:	-75.52775
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.62
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	39.9
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH

VETS WELDING/EAST 7TH ST. PENINSULA (Continued) **S109552248**

Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

N61 **B STREET PACK & PROCESSING OU-2** **DE SHWS** **S123437552**
WNW **1400 B STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.511 mi.
2700 ft. **Site 1 of 4 in cluster N**

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	B STREET PACK & PROCESSING OU-2
Address:	1400 B STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10284592
Site Type:	Animal Production
Care Of:	Not reported
PI ID:	594414
Prog ID:	DE-1442 OU-2
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189264.27
YCoordinate NAD83 Meters:	191794.56
Latitude Dec:	39.727619
Longitude Dec:	-75.541891
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	39.4284
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	30.8076
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-354

N62
WNW
1/2-1
0.511 mi.
2700 ft.

B STREET PACK & PROCESSING OU-1
1400 B STREET
WILMINGTON, DE 19801

DE SHWS **S123437551**
N/A

Site 2 of 4 in cluster N

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	B STREET PACK & PROCESSING OU-1
Address:	1400 B STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10284592
Site Type:	Animal Production
Care Of:	Not reported
PI ID:	594413
Prog ID:	DE-1442 OU-1
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189264.27
YCoordinate NAD83 Meters:	191794.56
Latitude Dec:	39.727619
Longitude Dec:	-75.541891
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	39.4284
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	30.8076
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-354

N63
WNW
1/2-1
0.511 mi.
2700 ft.

B STREET PACK & PROCESSING PROPERTY
600/610 AND 620 BRADFORD STREET 410 C STREET, 1400 B STREET
WILMINGTON, DE 19801

DE SHWS **S109171565**
DE INST CONTROL **N/A**
DE BROWNFIELDS

Site 3 of 4 in cluster N

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	B STREET PACK & PROCESSING
Address:	1400 B STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10284592
Site Type:	Animal Production

B STREET PACK & PROCESSING PROPERTY (Continued) **S109171565**

Care Of:	Not reported
PI ID:	359366
Prog ID:	DE-1442
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189259.93
YCoordinate NAD83 Meters:	191765.36
Latitude Dec:	39.727619
Longitude Dec:	-75.541891
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	39.4284
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	30.8076
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-354

Inst Control:

Name:	B STREET PACK & PROCESSING
Address:	1400 B STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1442
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	06/01/2011
Restrictions:	Non residential use, no land disturbing without prior written approval from DNREC, no installation/withdrawal of groundwater wells without prior written approval from DNREC, Compliance with O&M Plan and CMM Plan

Name:	B STREET PACK & PROCESSING
Address:	1400 B STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1442
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	06/01/2011
Restrictions:	Non residential use, no land disturbing without prior written

B STREET PACK & PROCESSING PROPERTY (Continued) **S109171565**

approval from DNREC, no installation/withdrawal of groundwater wells without prior written approval from DNREC, Compliance with O&M Plan and CMM Plan.

DE BROWNFIELD:

Name:	B STREET PACK & PROCESSING PROPERTY
Address:	600/610 AND 620 BRADFORD STREET 410 C STREET, 1400 B STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1442
Certification Date:	7.18.08
Acreage:	2.83+/-

64
NNW
1/2-1
0.513 mi.
2708 ft.

TRI-STATE E. 7TH STREET PENINSULA **DE SHWS** **S105076962**
INDUSTRIAL STREET & 7TH STREET PENINSULA **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
16 ft.

SHWS:

Name:	TRI-STATE E. 7TH STREET PENINSULA
Address:	INDUSTRIAL STREET & 7TH STREET PENINSULA
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056206
Site Type:	Other
Care Of:	Not reported
PI ID:	27001
Prog ID:	DE-1216
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190384.5
YCoordinate NAD83 Meters:	192935.68
Latitude Dec:	39.737872
Longitude Dec:	-75.528957
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.3392
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	44.2452
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone

TRI-STATE E. 7TH STREET PENINSULA (Continued) **S105076962**

AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

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65 NNW 1/2-1 0.522 mi. 2757 ft. **PENINSULA PARK LLC** **INDUSTRIAL STREET** **WILMINGTON, DE 19801** **DE SHWS** **DE INST CONTROL** **DE VCP** **S105790764** **N/A**

Relative: Lower

Actual: 9 ft.

SHWS:

Name:	PENINSULA PARK LLC
Address:	INDUSTRIAL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056420
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27215
Prog ID:	DE-1147
Additional Info:	State Funded Brownfield
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190344.64
YCoordinate NAD83 Meters:	192931.23
Latitude Dec:	39.737845
Longitude Dec:	-75.529992
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.242
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.9712
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Name:	PENINSULA PARK LLC
Address:	INDUSTRIAL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1147

PENINSULA PARK LLC (Continued) **S105790764**

Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: 08/05/2002
Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses permitted within Commercial, Manufacturing, or Industrial Districts, respectively, as such zoning district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the Code in effect as of the date of this Declaration. 2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB. 3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required. 5. Violation of Covenants. If Declarant violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its duly appointed successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof. 6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

Name: PENINSULA PARK LLC
Address: INDUSTRIAL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1147
Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: 10/14/2003
Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses permitted within Commercial, Manufacturing, or Industrial Districts, respectively, as such zoning district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the New Castle County Unified Development Code in effect as of the date of this Declaration. 2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB, or its successor. 3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB, or its successor. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required. 5. Violation of Covenants. If Declarant, or any successor in title, violates any of the restrictive covenants imposed by this

PENINSULA PARK LLC (Continued) **S105790764**

Declaration, DNREC-SIRB, or its duly appointed successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof against the Declarant or any successor in title to the Land who violated these restrictive covenants. 6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

Name: PENINSULA PARK LLC
Address: INDUSTRIAL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1147
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 10/14/2003
Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses permitted within Commercial, Manufacturing, or Industrial Districts, respectively, as such zoning district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the New Castle County Unified Development Code in effect as of the date of this Declaration. 2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB, or its successor. 3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB, or its successor. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required. 5. Violation of Covenants. If Declarant, or any successor in title, violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its duly appointed successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof against the Declarant or any successor in title to the Land who violated these restrictive covenants. 6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

Name: PENINSULA PARK LLC
Address: INDUSTRIAL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1147
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 06/18/2003

PENINSULA PARK LLC (Continued) **S105790764**

Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses permitted within Commercial, Manufacturing, or Industrial Districts, respectively, as such zoning district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the New Castle County Unified Development Code in effect as of the date of this Declaration. 2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB, or its successor. 3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB, or its successor. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required. 5. Violation of Covenants. If Declarant, or any successor in title, violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its duly appointed successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof against the Declarant or any successor in title to the Land who violated these restrictive covenants. 6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

Name: PENINSULA PARK LLC
Address: INDUSTRIAL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1147
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 08/05/2002
Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses permitted within Commercial, Manufacturing, or Industrial Districts, respectively, as such zoning district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the Code in effect as of the date of this Declaration. 2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB. 3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required. 5. Violation of Covenants. If Declarant violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its duly appointed successor, shall have the right to proceed at law or

PENINSULA PARK LLC (Continued) **S105790764**

in equity to enforce compliance with or prevent the violation or breach of the terms hereof. 6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

Name: PENINSULA PARK LLC
Address: INDUSTRIAL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1147
Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: 06/18/2003
Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses permitted within Commercial, Manufacturing, or Industrial Districts, respectively, as such zoning district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the New Castle County Unified Development Code in effect as of the date of this Declaration. 2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB, or its successor. 3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB, or its successor. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required. 5. Violation of Covenants. If Declarant, or any successor in title, violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its duly appointed successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof against the Declarant or any successor in title to the Land who violated these restrictive covenants. 6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

VCP:
Name: PENINSULA PARK LLC
Address: INDUSTRIAL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 10056420
Program ID: DE-1147
Site Type: Contaminated Backfill
Care Of: Not reported
Reference Pt: Unknown
Horizontal Method: Unknown

PENINSULA PARK LLC (Continued) **S105790764**

Loc Type:	P
X Coordinate Nad83 Meters:	190344.6
Y Coordinate Nad83 Meters:	192931.23
Latitude Dec:	39.737845
Longitude Dec:	-75.529991
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.2420000
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.9712000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

O66 **COMMERCE STREET** **DE SHWS** **S102411355**
NW **COMMERCE STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.551 mi.
2907 ft. **Site 1 of 2 in cluster O**

Relative:
Lower

Actual:
5 ft.

SHWS:

Name:	COMMERCE STREET
Address:	COMMERCE STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056575
Site Type:	Other
Care Of:	Not reported
PI ID:	27370
Prog ID:	DE-1072
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189628.66
YCoordinate NAD83 Meters:	192529.42
Latitude Dec:	39.734444
Longitude Dec:	-75.537496
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	3.9984
Longitude Degrees:	-75
Longitude Minutes:	32

COMMERCE STREET (Continued) **S102411355**

Longitude Seconds:	14.9856
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	COMMERCE STREET
Address:	COMMERCE STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056575
Site Type:	Other
Care Of:	Not reported
PI ID:	27370
Prog ID:	DE-1072
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189628.66
YCoordinate NAD83 Meters:	192529.42
Latitude Dec:	39.734444
Longitude Dec:	-75.537496
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	3.9984
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	14.9856
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone

COMMERCE STREET (Continued) **S102411355**

AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

O67 **DCI PROPERTY** **DE SHWS** **S104493007**
NW **COMMERCE STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.551 mi.
2907 ft. **Site 2 of 2 in cluster O**

Relative: **Lower**

Actual: **5 ft.**

SHWS:

Name:	DCI PROPERTY
Address:	COMMERCE STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	Not reported
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	Not reported
Prog ID:	DE-1104
Additional Info:	HSCA
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate NAD83 Meters:	Not reported
YCoordinate NAD83 Meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
PO Name:	Not reported
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC_Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

68
NW
1/2-1
0.558 mi.
2946 ft.

35 COMMERCE STREET SITE
35 COMMERCE STREET
WILMINGTON, DE 19801

DE SHWS **S126353807**
DE BROWNFIELDS **N/A**

Relative:
Lower

Actual:
4 ft.

SHWS:

Name:	35 COMMERCE ST. SITE
Address:	35 COMMERCE STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10760885
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	610338
Prog ID:	DE-1734
Additional Info:	State Funded Brownfield
Reference Pt:	Facility Entance(General)
Horizontal Method:	Photo Interpolation-Non-orthopohoto
Loc Type:	P
XCoordinate NAD83 Meters:	189781.31
YCoordinate NAD83 Meters:	192672.68
Latitude Dec:	-75.535686
Longitude Dec:	39.735552
Latitude Degrees:	-76
Latitude Minutes:	27
Latitude Seconds:	51.5304
Longitude Degrees:	40
Longitude Minutes:	15
Longitude Seconds:	52.0128
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-354

DE BROWNFIELD:

Name:	35 COMMERCE STREET SITE
Address:	35 COMMERCE STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1734
Certification Date:	7.20.2020
Acreage:	0.72+/-

N69 **512 SOUTH CLAYMONT PROPERTY** **DE SHWS** **S109484949**
WNW **512 SOUTH CLAYMONT STREET** **DE BROWNFIELDS** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.560 mi.
2957 ft. **Site 4 of 4 in cluster N**

Relative: **Lower**
Actual: **9 ft.**

SHWS:

Name:	512 S CLAYMONT STREET
Address:	512 SOUTH CLAYMONT STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10148585
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	214253
Prog ID:	DE-0326
Additional Info:	Federally Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189215.47
YCoordinate NAD83 Meters:	191840.11
Latitude Dec:	39.727979
Longitude Dec:	-75.542391
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	40.7244
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	32.6076
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	512 S CLAYMONT STREET
Address:	512 SOUTH CLAYMONT STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10148585
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	214253
Prog ID:	DE-0326
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto

512 SOUTH CLAYMONT PROPERTY (Continued) **S109484949**

Loc Type:	P
XCoordinate NAD83 Meters:	189215.47
YCoordinate NAD83 Meters:	191840.11
Latitude Dec:	39.727979
Longitude Dec:	-75.542391
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	40.7244
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	32.6076
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	512 S CLAYMONT STREET
Address:	512 SOUTH CLAYMONT STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10148585
Site Type:	Private Office Building
Care Of:	Not reported
PI ID:	214208
Prog ID:	DE-1386
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189215.45
YCoordinate NAD83 Meters:	191840.1
Latitude Dec:	39.728049
Longitude Dec:	-75.542488
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	40.9764
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	32.9568
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported

512 SOUTH CLAYMONT PROPERTY (Continued) **S109484949**

Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

DE BROWNFIELD:

Name:	512 SOUTH CLAYMONT PROPERTY
Address:	512 SOUTH CLAYMONT STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-0326
Certification Date:	2.25.09
Acreage:	0.19+/-

70
WSW
1/2-1
0.562 mi.
2968 ft.

560 TERMINAL AVENUE SITE
560 TERMINAL AVENUE
WILMINGTON, DE 19720

DE SHWS **S105384117**
DE INST CONTROL **N/A**
DE VCP
DE BROWNFIELDS

Relative:
Lower

Actual:
7 ft.

SHWS:

Name:	560 TERMINAL AVE
Address:	560 TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19720
Facility ID:	10056428
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27223
Prog ID:	DE-1123
Additional Info:	State Funded Brownfield
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189746.09
YCoordinate NAD83 Meters:	190646.5
Latitude Dec:	39.717338
Longitude Dec:	-75.536293
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	2.4168
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	10.6548
PO Name:	New Castle
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported

560 TERMINAL AVENUE SITE (Continued) **S105384117**

Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Name:	560 TERMINAL AVE
Address:	560 TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19720
Facility ID:	DE-1123
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	03/31/2003

Restrictions: 1. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB. 2. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required. 3. Violation of Covenants. If Declarant violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its duly appointed successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof. 4. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB, or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

Name:	560 TERMINAL AVE
Address:	560 TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19720
Facility ID:	DE-1123
Report Title:	Deed Restriction Sites
Site Type:	VCP
Deed Restriction Date:	03/31/2003

Restrictions: 1. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB. 2. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required. 3. Violation of Covenants. If Declarant violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its duly appointed

560 TERMINAL AVENUE SITE (Continued) **S105384117**

successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof. 4. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB, or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

VCP:

Name:	560 TERMINAL AVE
Address:	560 TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19720
Facility ID:	10056428
Program ID:	DE-1123
Site Type:	Other Industrial Plant
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
X Coordinate Nad83 Meters:	189746.0
Y Coordinate Nad83 Meters:	190646.5
Latitude Dec:	39.7173379
Longitude Dec:	-75.536293
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	2.41679999
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	10.6548
PO Name:	New Castle
Tax Id:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

DE BROWNFIELD:

Name:	560 TERMINAL AVENUE SITE
Address:	560 TERMINAL AVENUE
City,State,Zip:	WILMINGTON, DE 19720
edr_fcity:	WILMINGTON
Facility ID:	DE- 1123

560 TERMINAL AVENUE SITE (Continued) **S105384117**

Certification Date: 8.13.2010
Acreage: 7.11+/-

71
West
1/2-1
0.564 mi.
2980 ft.

WILMINGTON NATIONAL GUARD SITE **FUDS** **1024899415**
WILMINGTON, DE **N/A**

Relative:
Lower

Actual:
10 ft.

FUDS:

EPA Region:	3
Installation ID:	DE39799F135100
Congressional District Number:	0
Name:	WILMINGTON NATIONAL GUARD SITE
FUDS Number:	C03DE0538
City:	WILMINGTON
State:	DE
County:	NEW CASTLE
Object ID:	7170
USACE Division:	NAD
USACE District:	Baltimore District (NAB)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=56334
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	A total of 2.69 acres were acquired by the U.S. Government between 1913 and 1945. 2.50 acres were fee while 0.19 acre was under easement. Fee Tract A (2.5 acres total) was purchased from various parties in 1913 and 1923. Tract B (0.19 acre total) was acquired by easement in 1952. Tracts A and B were transferred from Civil Accounts to Military Accounts effective 11 November 1952 for use by the National Guard. All property was reported excess to General Services Administration on 18 October 1961. Both tracts were conveyed to the mayor and council of Wilmington by Quitclaim Deed dated 1 November 1962. The site was later purchased by Frederick Krapf by deed dated 14 August 1978.
Project Required:	No
Feature Description:	Not reported
Latitude:	39.72361111
Longitude:	-75.541666669999998

72
SW
1/2-1
0.578 mi.
3052 ft.

SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES **DE SHWS** **S107711537**
1020 CHRISTINA AVE **DE TIER 2** **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
8 ft.

SHWS:

Name:	1020 CHRISTIANA AVENUE (FORMER ICS FACILITY)
Address:	1020 CHRISTINA AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10163537
Site Type:	Other Industrial Plant

SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES (Continued) **S107711537**

Care Of:	Not reported
PI ID:	223242
Prog ID:	DE-1431
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Satellite Photo Interpolation-SPOT
Loc Type:	P
XCoordinate NAD83 Meters:	190085.38
YCoordinate NAD83 Meters:	190408.51
Latitude Dec:	39.71528
Longitude Dec:	-75.532188
Latitude Degrees:	39
Latitude Minutes:	42
Latitude Seconds:	55.008
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.8768
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-350

TIER 2:

Name:	SIEMENS WATER TECHNOLOGIES CORP
Address:	1020 CHRISTINA AVE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	235
Tier II Report Yr:	2010
Facility Corporate Name:	Siemens Water Technologies Corp
EHS Year:	Not reported
CAS Number:	15245122
Chemical:	CALCIUM NITRATE AQUEOUS SOLUTION
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	No

Detail:

Tier II Report Year:	2010
Owner Operator Name:	SIEMENS WATER TECHNOLOGIES CORP
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported

SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES (Continued) **S107711537**

Owner Operator Phone:	9413552971
Compliance Contact Company:	John Hazewski
Compliance Contact Title:	Branch Manager
Compliance Contact Address1:	1020 Christina Ave
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Wilmington, DE 19801
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026543712

Tier II Report Yr:	2010
Facility Corporate Name:	Siemens Water Technologies Corp
EHS Year:	Not reported
CAS Number:	7782630
Chemical:	FERROUS SULFATE HEPTAHYDRATE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	No

Detail:

Tier II Report Year:	2010
Owner Operator Name:	SIEMENS WATER TECHNOLOGIES CORP
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	9413552971
Compliance Contact Company:	John Hazewski
Compliance Contact Title:	Branch Manager
Compliance Contact Address1:	1020 Christina Ave
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Wilmington, DE 19801
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026543712

Tier II Report Yr:	2009
Facility Corporate Name:	Siemens Water Technologies Corp
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	CALCIUM NITRATE AQUEOUS SOLUTION
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2009
Owner Operator Name:	SIEMENS WATER TECHNOLOGIES CORP
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	9413552971
Compliance Contact Company:	John Hazewski
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported

SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES (Continued) **S107711537**

Compliance Contact Country: Not reported
Compliance Contact Phone: 3026543712

Tier II Report Yr: 2009
Facility Corporate Name: Siemens Water Technologies Corp
EHS Year: Not reported
CAS Number: Not reported
Chemical: PHOSPHORIC ACID 85%
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: SIEMENS WATER TECHNOLOGIES CORP
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 9413552971
Compliance Contact Company: John Hazewski
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026543712

Tier II Report Yr: 2009
Facility Corporate Name: Siemens Water Technologies Corp
EHS Year: Not reported
CAS Number: Not reported
Chemical: FERROUS SULFATE HEPTAHYDRATE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: SIEMENS WATER TECHNOLOGIES CORP
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 9413552971
Compliance Contact Company: John Hazewski
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026543712

Tier II Report Yr: 2012
Facility Corporate Name: Siemens Industry, Inc. - Water Technologies

SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES (Continued) **S107711537**

EHS Year: Not reported
CAS Number: 13477344
Chemical: CALCIUM NITRATE TETRAHYDRATE SOLUTION
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: No

Detail:
Tier II Report Year: 2012
Owner Operator Name: SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 9413552971
Compliance Contact Company: John Hazewski
Compliance Contact Title: Branch Manager
Compliance Contact Address1: 1020 Christina Ave
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Wilmington, DE 19801
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026543712

Tier II Report Yr: 2012
Facility Corporate Name: Siemens Industry, Inc. - Water Technologies
EHS Year: Not reported
CAS Number: 15245122
Chemical: CALCIUM NITRATE AQUEOUS SOLUTION
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: No

Detail:
Tier II Report Year: 2012
Owner Operator Name: SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 9413552971
Compliance Contact Company: John Hazewski
Compliance Contact Title: Branch Manager
Compliance Contact Address1: 1020 Christina Ave
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Wilmington, DE 19801
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026543712

Tier II Report Yr: 2011
Facility Corporate Name: Siemens Industry, Inc. - Water Technologies
EHS Year: Not reported
CAS Number: 15245122
Chemical: CALCIUM NITRATE AQUEOUS SOLUTION
Facility Status: ACTIVE
Is EHS: Not reported
Is Containing EHS: Not reported

SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES (Continued) **S107711537**

Detail:

Tier II Report Year:	2011
Owner Operator Name:	SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

73
NNW
1/2-1
0.596 mi.
3148 ft.

EAST 7TH ST PENINSULA - NORTH
7TH STREET
WILMINGTON, DE 19801

DE SHWS **S104642978**
N/A

Relative:
Lower

Actual:
7 ft.

SHWS:

Name:	EAST 7TH ST PENINSULA - NORTH
Address:	7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056529
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27308
Prog ID:	DE-1128
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190070.99
YCoordinate NAD83 Meters:	192953.69
Latitude Dec:	39.737863
Longitude Dec:	-75.533422
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.3068
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	0.3192
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2

EAST 7TH ST PENINSULA - NORTH (Continued) **S104642978**

Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	EAST 7TH ST PENINSULA - NORTH
Address:	7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056529
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27308
Prog ID:	DE-1128
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190070.99
YCoordinate NAD83 Meters:	192953.69
Latitude Dec:	39.737863
Longitude Dec:	-75.533422
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.3068
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	0.3192
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

74
NW
1/2-1
0.598 mi.
3159 ft.

FORMER AMERICAN SCRAP & WASTE SITE
20 COMMERCE STREET
WILMINGTON, DE 19801

DE SHWS **S103684328**
DE BROWNFIELDS **N/A**

Relative:
Lower

Actual:
6 ft.

SHWS:

Name:	AMERICAN SCRAP AND WASTE CO
Address:	COMMERCE STREET & DOCK STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10006309
Site Type:	Salvage Yard
Care Of:	Not reported
PI ID:	26980
Prog ID:	DE-1131
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189521.03
YCoordinate NAD83 Meters:	192458.9
Latitude Dec:	39.733593
Longitude Dec:	-75.538935
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	0.9348
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	20.166
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-354

Name:	AMERICAN SCRAP AND WASTE CO
Address:	COMMERCE STREET & DOCK STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10006309
Site Type:	Salvage Yard
Care Of:	Not reported
PI ID:	26980
Prog ID:	DE-1131
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto

FORMER AMERICAN SCRAP & WASTE SITE (Continued) **S103684328**

Loc Type:	P
XCoordinate NAD83 Meters:	189521.03
YCoordinate NAD83 Meters:	192458.9
Latitude Dec:	39.733593
Longitude Dec:	-75.538935
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	0.9348
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	20.166
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-354

DE BROWNFIELD:

Name:	FORMER AMERICAN SCRAP & WASTE SITE
Address:	20 COMMERCE STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1131
Certification Date:	10.29.09
Acreage:	1.63+/-

75
NNW
1/2-1
0.599 mi.
3163 ft.

1320 E. 8TH STREET SITE
1320 E. 8TH STREET
WILMINGTON, DE 19801

DE SHWS **S123143730**
DE BROWNFIELDS **N/A**

Relative:
Lower

Actual:
8 ft.

SHWS:

Name:	1320 E. 8TH STREET
Address:	1320 E. 8TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10749507
Site Type:	Debris Disposal Area
Care Of:	Not reported
PI ID:	593391
Prog ID:	DE-1689
Additional Info:	Certified Brownfield Site
Reference Pt:	Facility Entance(General)
Horizontal Method:	Photo Interpolation-Non-orthopohoto

1320 E. 8TH STREET SITE (Continued) **S123143730**

Loc Type:	P
XCoordinate NAD83 Meters:	190199.36
YCoordinate NAD83 Meters:	193044.74
Latitude Dec:	-75.531295
Longitude Dec:	39.738907
Latitude Degrees:	-76
Latitude Minutes:	28
Latitude Seconds:	7.338
Longitude Degrees:	40
Longitude Minutes:	15
Longitude Seconds:	39.9348
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

DE BROWNFIELD:

Name:	1320 E. 8TH STREET SITE
Address:	1320 E. 8TH STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1689
Certification Date:	10.23.2018
Acreage:	1.75+/-

76
WNW
1/2-1
0.605 mi.
3197 ft.

NEW CASTLE AVENUE AND B STREET LOTS **DE SHWS** **S111766381**
501-509 NEW CASTLE AVENUE **DE INST CONTROL** **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	NEW CASTLE AVENUE AND B STREET LOTS
Address:	501-509 NEW CASTLE AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10149809
Site Type:	Other
Care Of:	Not reported
PI ID:	215538
Prog ID:	DE-1396
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto

NEW CASTLE AVENUE AND B STREET LOTS (Continued) **S111766381**

Loc Type:	P
XCoordinate NAD83 Meters:	189133.15
YCoordinate NAD83 Meters:	191900.3
Latitude Dec:	39.728525
Longitude Dec:	-75.543455
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	42.69
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	36.438
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

Inst Control:

Name:	NEW CASTLE AVENUE AND B STREET LOTS
Address:	501-509 NEW CASTLE AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1396
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	08/31/2001
Restrictions:	Not reported

P77 **SOUTHBRIDGE GATEWAY** **DE SHWS** **S110613386**
WNW **210 SOUTH HEALD STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.608 mi.
3212 ft. **Site 1 of 2 in cluster P**

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	SOUTHBRIDGE GATEWAY
Address:	210 SOUTH HEALD STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056622
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27417
Prog ID:	DE-0312
Additional Info:	HSCA
Reference Pt:	Unknown

SOUTHBRIDGE GATEWAY (Continued) **S110613386**

Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189217.67
YCoordinate NAD83 Meters:	192251.62
Latitude Dec:	39.731778
Longitude Dec:	-75.542464
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	54.4008
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	32.8704
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

P78 **DIAMOND OIL - PRE REMEDIAL** **DE SHWS** **S106177124**
WNW **HEALD STREET & LOBDELL STREET** **DE INST CONTROL** **N/A**
1/2-1 **WILMINGTON, DE 19801** **DE VCP**
0.623 mi.
3291 ft. **Site 2 of 2 in cluster P**

Relative: **Lower**

Actual: **9 ft.**

SHWS:

Name:	DIAMOND OIL - PRE REMEDIAL
Address:	HEALD STREET & LOBDELL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10026113
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27380
Prog ID:	DE-1112
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189141.29
YCoordinate NAD83 Meters:	192274.96
Latitude Dec:	39.731944
Longitude Dec:	-75.543329
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	54.9984
Longitude Degrees:	-75

DIAMOND OIL - PRE REMEDIAL (Continued) **S106177124**

Longitude Minutes:	32
Longitude Seconds:	35.9844
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	DIAMOND OIL - PRE REMEDIAL
Address:	HEALD STREET & LOBDELL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10026113
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27380
Prog ID:	DE-1112
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189141.29
YCoordinate NAD83 Meters:	192274.96
Latitude Dec:	39.731944
Longitude Dec:	-75.543329
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	54.9984
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	35.9844
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River

DIAMOND OIL - PRE REMEDIAL (Continued) **S106177124**

GMZ Name: City of Wilmingtion - 1 Zone
AG Pres District: Not reported
Water District: Not reported
Mod Grid: Not reported

Inst Control:
Name: DIAMOND OIL - PRE REMEDIAL
Address: HEALD STREET & LOBDELL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1112
Report Title: Deed Restriction Sites
Site Type: HSCA
Deed Restriction Date: 05/04/2005
Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses (any mixed use involving both non-residential and residential uses being specifically excluded) permitted, whether by right, variance or other Board of Adjustment approval, within Commercial, Manufacturing & Industrial or Waterfront Districts, respectively, as such district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the Wilmington City Code in effect on the date of the intended use. 2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB or its legal successor. 3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB or its legal successor. The Land is located in the City of Wilmington Groundwater Management Zone. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its legal successor, which shall be the only approval or consent required. 5. Violation of Covenants. If Declarant violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its legal successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof. 6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other 'than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its legal successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its legal successor.

Name: DIAMOND OIL - PRE REMEDIAL
Address: HEALD STREET & LOBDELL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1112
Report Title: Deed Restriction Sites
Site Type: Pre Remedial (PA/SI)
Deed Restriction Date: 05/04/2005
Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses (any mixed use involving both non-residential and residential uses being specifically excluded) permitted, whether by right, variance or other Board of Adjustment approval, within Commercial, Manufacturing & Industrial or Waterfront

DIAMOND OIL - PRE REMEDIAL (Continued) **S106177124**

Districts, respectively, as such district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the Wilmington City Code in effect on the date of the intended use. 2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB or its legal successor. 3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB or its legal successor. The Land is located in the City of Wilmington Groundwater Management Zone. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its legal successor, which shall be the only approval or consent required. 5. Violation of Covenants. If Declarant violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its legal successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof. 6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other 'than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its legal successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its legal successor.

Name: DIAMOND OIL
Address: HEALD STREET & LOBDELL STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1129
Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: 05/04/2005
Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses (any mixed use involving both non-residential and residential uses being specifically excluded) permitted, whether by right, variance or other Board of Adjustment approval, within Commercial, Manufacturing & Industrial or Waterfront Districts, respectively, as such district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the Wilmington City Code in effect on the date of the intended use. 2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB or its legal successor. 3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB or its legal successor. The Land is located in the City of Wilmington Groundwater Management Zone. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its legal successor, which shall be the only approval or consent required. 5. Violation of Covenants. If Declarant violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its legal successor, shall have the

DIAMOND OIL - PRE REMEDIAL (Continued) **S106177124**

right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof. 6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other 'than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its legal successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its legal successor.

VCP:

Name:	DIAMOND OIL
Address:	HEALD STREET & LOBDELL STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10026113
Program ID:	DE-1129
Site Type:	Other
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
X Coordinate Nad83 Meters:	189135.6
Y Coordinate Nad83 Meters:	192355.26
Latitude Dec:	39.7319439
Longitude Dec:	-75.543329
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	54.9983999
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	35.9844000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Q79 **PORT PROPERTIES II** **DE SHWS** **S111767084**
West **700 NEW CASTLE AVENUE** **DE TIER 2** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.645 mi.
3408 ft. **Site 1 of 2 in cluster Q**

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	FORMER INSTEEL WIRE
Address:	700 NEW CASTLE AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10396416
Site Type:	Funeral Parlor
Care Of:	Not reported
PI ID:	489494
Prog ID:	DE-1507
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2007 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189363.87
YCoordinate NAD83 Meters:	191478.44
Latitude Dec:	39.72465
Longitude Dec:	-75.540942
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	28.74
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	27.3912
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Wildcat Landfill - Zone A
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-352

TIER 2:

Name:	PORT PROPERTIES II
Address:	700 NEW CASTLE AVENUE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	2368
Tier II Report Yr:	2017
Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported
CAS Number:	12179043
Chemical:	Borax Pentahydrate
Facility Status:	ACTIVE

PORT PROPERTIES II (Continued) **S111767084**

Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: Daniel Carwile
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 10043353
Chemical: BORIC ACID
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: Daniel Carwile
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 68476346
Chemical: DIESEL FUEL
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC

PORT PROPERTIES II (Continued) **S111767084**

Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026556315
Compliance Contact Company:	Daniel Carwile
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2017
Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported
CAS Number:	14791732
Chemical:	OOLITIC ARAGONITE (CALCIUM CARBONATE)
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2017
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026556315
Compliance Contact Company:	Daniel Carwile
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2014
Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	POTASSIUM CHLORIDE
Facility Status:	ACTIVE
Is EHS:	Yes
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2014
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026556315
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported

PORT PROPERTIES II (Continued) **S111767084**

Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Year: 2014
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2014
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: Not reported
Chemical: OOLITIC ARAGONITE (CALCIUM CARBONATE)
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2014
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Year: 2014
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported

PORT PROPERTIES II (Continued) **S111767084**

Compliance Contact Phone: Not reported

Tier II Report Yr: 2018
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 12179043
Chemical: Borax Pentahydrate
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: Daniel Carwile
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026541217112

Tier II Report Yr: 2018
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 10043353
Chemical: BORIC ACID
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: Daniel Carwile
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026541217112

Tier II Report Yr: 2018
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported

PORT PROPERTIES II (Continued) **S111767084**

CAS Number: 68476346
Chemical: DIESEL FUEL
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: Daniel Carwile
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026541217112

Tier II Report Yr: 2018
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 14791732
Chemical: OOLITIC ARAGONITE (CALCIUM CARBONATE)
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: Daniel Carwile
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026541217112

Tier II Report Yr: 2014
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: Not reported
Chemical: Borax Pentahydrate
Facility Status: ACTIVE
Is EHS: Yes
Is Containing EHS: Not reported

PORT PROPERTIES II (Continued) **S111767084**

Detail:

Tier II Report Year:	2014
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026556315
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Year:	2014
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2014
Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	SODIUM CHLORIDE
Facility Status:	ACTIVE
Is EHS:	Yes
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2014
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026556315
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Year:	2014
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC

PORT PROPERTIES II (Continued) **S111767084**

Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2014
Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	BORIC ACID
Facility Status:	ACTIVE
Is EHS:	Yes
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2014
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026556315
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Year:	2014
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2014
Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	DIESEL FUEL

PORT PROPERTIES II (Continued) **S111767084**

Facility Status:	ACTIVE
Is EHS:	Yes
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2014
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026556315
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Year:	2014
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2012
Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported
CAS Number:	10043353
Chemical:	BORIC ACID
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	No

Detail:

Tier II Report Year:	2012
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026556315
Compliance Contact Company:	John Vitale
Compliance Contact Title:	President
Compliance Contact Address1:	1020 Christiana Avenue
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Wilmington, DE 19801
Compliance Contact Country:	Not reported

PORT PROPERTIES II (Continued) **S111767084**

Compliance Contact Phone: 3025302725

Tier II Report Yr: 2012
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 14791732
Chemical: OOLITIC ARAGONITE (CALCIUM CARBONATE)
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: No

Detail:
Tier II Report Year: 2012
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: John Vitale
Compliance Contact Title: President
Compliance Contact Address1: 1020 Christiana Avenue
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Wilmington, DE 19801
Compliance Contact Country: Not reported
Compliance Contact Phone: 3025302725

Tier II Report Yr: 2012
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 7647145
Chemical: SODIUM CHLORIDE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: No

Detail:
Tier II Report Year: 2012
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: John Vitale
Compliance Contact Title: President
Compliance Contact Address1: 1020 Christiana Avenue
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Wilmington, DE 19801
Compliance Contact Country: Not reported
Compliance Contact Phone: 3025302725

Tier II Report Yr: 2014
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported

PORT PROPERTIES II (Continued) **S111767084**

CAS Number: Not reported
Chemical: Not reported
Facility Status: ACTIVE
Is EHS: Not reported
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2014
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Year: 2014
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2019
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 12179043
Chemical: Borax Pentahydrate
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: Daniel Carwile
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported

PORT PROPERTIES II (Continued) **S111767084**

Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026541217112

Tier II Report Yr: 2019
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 10043353
Chemical: BORIC ACID
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: Daniel Carwile
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026541217112

Tier II Report Yr: 2019
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 68476346
Chemical: DIESEL FUEL
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3026556315
Compliance Contact Company: Daniel Carwile
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026541217112

Tier II Report Yr: 2019

PORT PROPERTIES II (Continued) **S111767084**

Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported
CAS Number:	14791732
Chemical:	OOLITIC ARAGONITE (CALCIUM CARBONATE)
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026556315
Compliance Contact Company:	Daniel Carwile
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026541217112

Tier II Report Yr:	2016
Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported
CAS Number:	12179043
Chemical:	Borax Pentahydrate
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Tier II Report Yr:	2016
Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported
CAS Number:	10043353
Chemical:	BORIC ACID
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Tier II Report Yr:	2016
Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported
CAS Number:	68476346
Chemical:	DIESEL FUEL
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Tier II Report Yr:	2016
Facility Corporate Name:	Intercontinental Services of DE. LLC
EHS Year:	Not reported

PORT PROPERTIES II (Continued) **S111767084**

CAS Number: 14791732
Chemical: OOLITIC ARAGONITE (CALCIUM CARBONATE)
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Tier II Report Yr: 2016
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 7447407
Chemical: POTASSIUM CHLORIDE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Tier II Report Yr: 2016
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 7647145
Chemical: SODIUM CHLORIDE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Tier II Report Yr: 2011
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 14791732
Chemical: OOLITIC ARAGONITE (CALCIUM CARBONATE)
Facility Status: ACTIVE
Is EHS: Not reported
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2011
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2011
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 7647145
Chemical: SODIUM CHLORIDE

PORT PROPERTIES II (Continued) **S111767084**

Facility Status: ACTIVE
Is EHS: Not reported
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2011
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2011
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: 10043353
Chemical: BORIC ACID
Facility Status: ACTIVE
Is EHS: Not reported
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2011
Owner Operator Name: INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2013
Facility Corporate Name: Intercontinental Services of DE. LLC
EHS Year: Not reported
CAS Number: Not reported
Chemical: Not reported
Facility Status: ACTIVE
Is EHS: Not reported
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2013

PORT PROPERTIES II (Continued) **S111767084**

Owner Operator Name:	INTERCONTINENTAL SERVICES OF DE. LLC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026556315
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

R80 **DELCHEM** **DE SHWS** **S118999026**
NNW **1400 E. 12TH STREET** **DE VCP** **N/A**
1/2-1 **WILMINGTON, DE 19802** **DE BROWNFIELDS**
0.650 mi. **DE TIER 2**
3433 ft. **Site 1 of 2 in cluster R**

Relative: **Lower**
Actual: **9 ft.**

SHWS:

Name:	ELECTRIC HOSE & RUBBER RECON
Address:	1400 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10056462
Site Type:	Other
Care Of:	Not reported
PI ID:	27257
Prog ID:	DE-0174
Additional Info:	State Funded Brownfield
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190315.82
YCoordinate NAD83 Meters:	193146.03
Latitude Dec:	39.739889
Longitude Dec:	-75.530376
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	23.6004
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	49.3536
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone

DELCHEM (Continued) **S118999026**

AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

VCP:

Name:	ELECTRIC HOSE & RUBBER RECON
Address:	1400 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10056462
Program ID:	DE-0174
Site Type:	Other
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
X Coordinate Nad83 Meters:	190315.8
Y Coordinate Nad83 Meters:	193146.03
Latitude Dec:	39.7398889
Longitude Dec:	-75.530376
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	23.6004
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	49.3536
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

DE BROWNFIELD:

Name:	ELECTRIC HOSE AND RUBBER SITE
Address:	1318, 1340 AND 1440 E. 12TH STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-0174
Certification Date:	9.2.2020
Acreage:	9.75+/-

TIER 2:

Name:	DELCHEM
Address:	1400 E. 12TH STREET

DELCHEM (Continued) **S118999026**

City,State,Zip: WILMINGTON, DE 19802
Facility ID: 794
Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 919302
Chemical: 3-AMINOPROPYLTRIETHOXYSILANE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 2530850
Chemical: 3-METHACRYLOXYPROPYLTRIMETHOXYSILANE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 25895470

DELCHEM (Continued) **S118999026**

Chemical:	AMORPHOUS POLYOLEFIN
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2019
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	1317653
Chemical:	CALCIUM CARBONATE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2019
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	1305788
Chemical:	CALCIUM OXIDE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

DELCHEM (Continued) **S118999026**

Detail:

Tier II Report Year:	2019
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2019
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	1333864
Chemical:	CARBON BLACK
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2019
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	63449398
Chemical:	CHLORINATED PARAFFIN
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported

DELCHEM (Continued) **S118999026**

Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 2530838
Chemical: GAMMA-GLYCIDOXYPROPYLTRIMETHOXYSILANE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 999973
Chemical: HEXAMETHYLDISILAZANE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported

DELCHEM (Continued) **S118999026**

Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 9010859
Chemical: ISOBUTYLENE-ISOPRENE COPOLYMER
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 68611507
Chemical: LIQUID POLYSULFIDE POLYMER
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM

DELCHEM (Continued) **S118999026**

EHS Year: Not reported
CAS Number: 1313139
Chemical: MANGANESE DIOXIDE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1185553
Chemical: Methyltrimethoxysilane
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1760243
Chemical: N-2-(Aminoethyl)-3-aminopropyltrimethoxysilane
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

DELCHEM (Continued) **S118999026**

Detail:

Tier II Report Year:	2019
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2019
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	64742161
Chemical:	PETROLEUM HYDROCARBON RESIN
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2019
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	69102905
Chemical:	POLYBUTADIENE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported

DELCHEM (Continued) **S118999026**

Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 9003274
Chemical: POLYISOBUTYLENE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 101688
Chemical: POLYMERIC DIPHENYLMETHANE DIISOCYANATE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported

DELCHEM (Continued) **S118999026**

Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: N/A
Chemical: POLYOLEFIN
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 471341
Chemical: PRECIPITATED CALCIUM CARBONATE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM

DELCHEM (Continued) **S118999026**

EHS Year: Not reported
CAS Number: 8050268
Chemical: ROSIN BASED RESIN
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 25038328
Chemical: STYRENIC BLOCK COPOLYMER
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 14807966
Chemical: TALC
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

DELCHEM (Continued) **S118999026**

Detail:

Tier II Report Year:	2019
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2019
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	108883
Chemical:	TOLUENE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2019
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	2768027
Chemical:	Vinyltrimethoxysilane
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2019
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported

DELCHEM (Continued) **S118999026**

Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2019
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1067534
Chemical: Vinyltris(2-methoxyethoxy)silane
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2019
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 919302
Chemical: 3-AMINOPROPYLTRIETHOXYSILANE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported

DELCHEM (Continued) **S118999026**

Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 2530850
Chemical: 3-METHACRYLOXYPROPYLTRIMETHOXYSILANE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 25895470
Chemical: AMORPHOUS POLYOLEFIN
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM

DELCHEM (Continued) **S118999026**

EHS Year: Not reported
CAS Number: 1317653
Chemical: CALCIUM CARBONATE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1305788
Chemical: CALCIUM OXIDE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1333864
Chemical: CARBON BLACK
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

DELCHEM (Continued) **S118999026**

Detail:

Tier II Report Year:	2017
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2017
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	63449398
Chemical:	CHLORINATED PARAFFIN
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2017
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2017
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	2530838
Chemical:	GAMMA-GLYCIDOXYPROPYLTRIMETHOXYSILANE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2017
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported

DELCHEM (Continued) **S118999026**

Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 999973
Chemical: HEXAMETHYLDISILAZANE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 9010859
Chemical: ISOBUTYLENE-ISOPRENE COPOLYMER
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported

DELCHEM (Continued) **S118999026**

Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 68611507
Chemical: LIQUID POLYSULFIDE POLYMER
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1313139
Chemical: MANGANESE DIOXIDE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM

DELCHEM (Continued) **S118999026**

EHS Year: Not reported
CAS Number: 1185553
Chemical: Methyltrimethoxysilane
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1760243
Chemical: N-2-(Aminoethyl)-3-aminopropyltrimethoxysilane
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 64742161
Chemical: PETROLEUM HYDROCARBON RESIN
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

DELCHEM (Continued) **S118999026**

Detail:

Tier II Report Year:	2017
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2017
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	69102905
Chemical:	POLYBUTADIENE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2017
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2017
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	9003274
Chemical:	POLYISOBUTYLENE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2017
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported

DELCHEM (Continued) **S118999026**

Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2017
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	101688
Chemical:	POLYMERIC DIPHENYLMETHANE DIISOCYANATE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2017
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2017
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	N/A
Chemical:	POLYOLEFIN
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2017
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported

DELCHEM (Continued) **S118999026**

Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 471341
Chemical: PRECIPITATED CALCIUM CARBONATE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 8050268
Chemical: ROSIN BASED RESIN
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM

DELCHEM (Continued) **S118999026**

EHS Year: Not reported
CAS Number: 25038328
Chemical: STYRENIC BLOCK COPOLYMER
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 14807966
Chemical: TALC
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2017
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2017
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 108883
Chemical: TOLUENE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

DELCHEM (Continued) **S118999026**

Detail:

Tier II Report Year:	2017
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2017
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	2768027
Chemical:	Vinyltrimethoxysilane
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2017
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2018
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	919302
Chemical:	3-AMINOPROPYLTRIETHOXYSILANE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2018
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported

DELCHEM (Continued) **S118999026**

Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2018
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	2530850
Chemical:	3-METHACRYLOXYPROPYLTRIMETHOXYSILANE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2018
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2018
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	25895470
Chemical:	AMORPHOUS POLYOLEFIN
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2018
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported

DELCHEM (Continued) **S118999026**

Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1317653
Chemical: CALCIUM CARBONATE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1305788
Chemical: CALCIUM OXIDE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM

DELCHEM (Continued) **S118999026**

EHS Year: Not reported
CAS Number: 1333864
Chemical: CARBON BLACK
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 63449398
Chemical: CHLORINATED PARAFFIN
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 2530838
Chemical: GAMMA-GLYCIDOXYPROPYLTRIMETHOXYSILANE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

DELCHEM (Continued) **S118999026**

Detail:

Tier II Report Year:	2018
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2018
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	999973
Chemical:	HEXAMETHYLDISILAZANE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2018
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2018
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	9010859
Chemical:	ISOBUTYLENE-ISOPRENE COPOLYMER
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2018
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported

DELCHEM (Continued) **S118999026**

Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 68611507
Chemical: LIQUID POLYSULFIDE POLYMER
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1313139
Chemical: MANGANESE DIOXIDE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported

DELCHEM (Continued) **S118999026**

Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1185553
Chemical: Methyltrimethoxysilane
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 1760243
Chemical: N-2-(Aminoethyl)-3-aminopropyltrimethoxysilane
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM

DELCHEM (Continued) **S118999026**

EHS Year: Not reported
CAS Number: 64742161
Chemical: PETROLEUM HYDROCARBON RESIN
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 69102905
Chemical: POLYBUTADIENE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 9003274
Chemical: POLYISOBUTYLENE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

DELCHEM (Continued) **S118999026**

Detail:

Tier II Report Year:	2018
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2018
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	101688
Chemical:	POLYMERIC DIPHENYLMETHANE DIISOCYANATE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2018
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2018
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	POLYOLEFIN
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2018
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported

DELCHEM (Continued) **S118999026**

Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 471341
Chemical: PRECIPITATED CALCIUM CARBONATE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 8050268
Chemical: ROSIN BASED RESIN
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported

DELCHEM (Continued) **S118999026**

Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 25038328
Chemical: STYRENIC BLOCK COPOLYMER
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM
EHS Year: Not reported
CAS Number: 14807966
Chemical: TALC
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2018
Owner Operator Name: DELCHEM, INC
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 3024261800
Compliance Contact Company: MICHAEL FAGIOLI
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3024261800

Tier II Report Yr: 2018
Facility Corporate Name: DELCHEM, INC.-DELCHEM

DELCHEM (Continued) **S118999026**

EHS Year:	Not reported
CAS Number:	108883
Chemical:	TOLUENE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2018
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

Tier II Report Yr:	2018
Facility Corporate Name:	DELCHEM, INC.-DELCHEM
EHS Year:	Not reported
CAS Number:	2768027
Chemical:	Vinyltrimethoxysilane
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2018
Owner Operator Name:	DELCHEM, INC
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3024261800
Compliance Contact Company:	MICHAEL FAGIOLI
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3024261800

R81 **DIAMOND STATE FOUNDRY / PULLMAN CAR WORKS** **DE SHWS** **S122220369**
NNW **1400 EAST 12TH STREET** **N/A**
1/2-1 **WILMINGTON, DE 19802**
0.650 mi.
3433 ft. **Site 2 of 2 in cluster R**

Relative: **Lower**
Actual: **9 ft.**

SHWS:

Name:	DIAMOND STATE FOUNDRY / PULLMAN CAR WORKS
Address:	1400 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10164087
Site Type:	Other
Care Of:	Not reported
PI ID:	27306
Prog ID:	DE-1144
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190092.33
YCoordinate NAD83 Meters:	193170.87
Latitude Dec:	39.740448
Longitude Dec:	-75.533984
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	25.6128
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	2.3424
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	DIAMOND STATE FOUNDRY / PULLMAN CAR WORKS
Address:	1400 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10164087
Site Type:	Other
Care Of:	Not reported
PI ID:	27306
Prog ID:	DE-1144
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown

DIAMOND STATE FOUNDRY / PULLMAN CAR WORKS (Continued) **S122220369**

Loc Type:	P
XCoordinate NAD83 Meters:	190092.33
YCoordinate NAD83 Meters:	193170.87
Latitude Dec:	39.740448
Longitude Dec:	-75.533984
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	25.6128
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	2.3424
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

82
WNW
1/2-1
0.651 mi.
3437 ft.

518 SOUTH HEALD STREET
518 SOUTH HEALD STREET
WILMINGTON, DE 19801

DE SHWS **S123143729**
DE BROWNFIELDS **N/A**

Relative:
Lower

Actual:
10 ft.

SHWS:

Name:	518 SOUTH HEALD STREET
Address:	518 SOUTH HEALD STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10749502
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	593381
Prog ID:	DE-1688
Additional Info:	Certified Brownfield Site
Reference Pt:	Facility Entance(General)
Horizontal Method:	Photo Interpolation-Non-orthopohoto
Loc Type:	P
XCoordinate NAD83 Meters:	189080.16
YCoordinate NAD83 Meters:	191865.09
Latitude Dec:	-75.544125
Longitude Dec:	39.728308
Latitude Degrees:	-76
Latitude Minutes:	27
Latitude Seconds:	21.15
Longitude Degrees:	40
Longitude Minutes:	16

518 SOUTH HEALD STREET (Continued) **S123143729**

Longitude Seconds:	18.0912
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

Name:	518 SOUTH HEALD STREET
Address:	518 SOUTH HEALD STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10749502
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	593381
Prog ID:	DE-1688
Additional Info:	HSCA
Reference Pt:	Facility Entance(General)
Horizontal Method:	Photo Interpolation-Non-orthopohoto
Loc Type:	P
XCoordinate NAD83 Meters:	189080.16
YCoordinate NAD83 Meters:	191865.09
Latitude Dec:	-75.544125
Longitude Dec:	39.728308
Latitude Degrees:	-76
Latitude Minutes:	27
Latitude Seconds:	21.15
Longitude Degrees:	40
Longitude Minutes:	16
Longitude Seconds:	18.0912
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Not reported
GMZ Name:	Not reported

518 SOUTH HEALD STREET (Continued) **S123143729**

AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354
Name:	518 SOUTH HEALD STREET
Address:	518 SOUTH HEALD STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10749502
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	593381
Prog ID:	DE-1688
Additional Info:	State Funded Brownfield
Reference Pt:	Facility Entance(General)
Horizontal Method:	Photo Interpolation-Non-orthopohoto
Loc Type:	P
XCoordinate NAD83 Meters:	189080.16
YCoordinate NAD83 Meters:	191865.09
Latitude Dec:	-75.544125
Longitude Dec:	39.728308
Latitude Degrees:	-76
Latitude Minutes:	27
Latitude Seconds:	21.15
Longitude Degrees:	40
Longitude Minutes:	16
Longitude Seconds:	18.0912
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

DE BROWNFIELD:

Name:	518 S. HEALD STREET SITE
Address:	518 S. HEALD STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1688
Certification Date:	10.19.2018
Acreage:	.39+/-

Q83
West
1/2-1
0.653 mi.
3448 ft.

FORMER MORHEAT COAL AND FUEL COMPANY SITE
723 NEW CASTLE AVENUE, 801 SOUTH CLAYTON STREET, 1000-1001 G
WILMINGTON, DE 19801

Site 2 of 2 in cluster Q

DE SHWS **S118100060**
DE BROWNFIELDS **N/A**

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	FORMER MORHEAT COAL & FUEL COMPANY
Address:	721 NEW CASTLE AVE.
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10727024
Site Type:	Other Retail
Care Of:	Not reported
PI ID:	560557
Prog ID:	DE-1613
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188994.87
YCoordinate NAD83 Meters:	191571.94
Latitude Dec:	39.725681
Longitude Dec:	-75.545093
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	32.4516
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	42.3348
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

DE BROWNFIELD:

Name:	FORMER MORHEAT COAL AND FUEL COMPANY SITE
Address:	723 NEW CASTLE AVENUE, 801 SOUTH CLAYTON STREET, 1000-1001 GREEN STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1613
Certification Date:	7.17.2015
Acreage:	2.95+/-

84 West 1/2-1 0.671 mi. 3542 ft.

CONSOLIDATED FABRICATION SITE
900/901 GREEN STREET 1216 D STREET 700 SOUTH HEALD STREET
WILMINGTON, DE 19801

DE SHWS
DE INST CONTROL
DE BROWNFIELDS

S109485024
N/A

Relative: Lower

Actual: 10 ft.

SHWS:

Name:	CONSOLIDATED FABRICATION
Address:	901 GREEN STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10363860
Site Type:	Garage/Auto Body Shop
Care Of:	Not reported
PI ID:	442517
Prog ID:	DE-1462
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188987.24
YCoordinate NAD83 Meters:	191667.05
Latitude Dec:	39.726465
Longitude Dec:	-75.545074
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	35.274
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	42.2664
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

Inst Control:

Name:	CONSOLIDATED FABRICATION
Address:	901 GREEN STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1462
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	06/29/2011
Restrictions:	Non-residential use, no land disturbing activity without prior written approval from DNREC, no installation/withdrawal of groundwater wells without prior written approval from DNREC,

CONSOLIDATED FABRICATION SITE (Continued) **S109485024**

complaince with LTS plan..

DE BROWNFIELD:

Name:	CONSOLIDATED FABRICATION SITE
Address:	900/901 GREEN STREET 1216 D STREET 700 SOUTH HEALD STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1462
Certification Date:	2.12.09
Acreage:	0.11+/-

85
WNW
1/2-1
0.685 mi.
3615 ft.

A AND TOWNSEND STREETS **DE SHWS** **S109345774**
1017, 1019, 1021 A STREET, 333,335,337 TOWNSEND ST **DE INST CONTROL** **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	A AND TOWNSEND STREETS
Address:	1017, 1019, 1021 A STREET, 333,335,337 TOWNSEND ST
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10356622
Site Type:	Apartments/Townhouses
Care Of:	Not reported
PI ID:	434500
Prog ID:	DE-1450
Additional Info:	State Funded Brownfield
Reference Pt:	Facility Entance(General)
Horizontal Method:	Address Matching-House Number
Loc Type:	P
XCoordinate NAD83 Meters:	189076.65
YCoordinate NAD83 Meters:	192157.45
Latitude Dec:	39.730926
Longitude Dec:	-75.543978
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	51.3336
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	38.3208
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported

A AND TOWNSEND STREETS (Continued) **S109345774**

Mod Grid: 108-354

Inst Control:
Name: A AND TOWNSEND STREETS
Address: 1017, 1019, 1021 A STREET, 333,335,337 TOWNSEND ST
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1450
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 06/22/2011
Restrictions: No land disturbing without prior written approval from DNREC, no installation/withdrawal of groundwater wells without prior written approval from DNREC, Compliance with LTS Plan and Final Plan of Remedial Action.

S86 **KAISER YACHT PROPERTY** **DE SHWS** **S116735487**
NW **1122 E. 7TH STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.711 mi.
3755 ft. **Site 1 of 2 in cluster S**

Relative: **Lower**
Actual: **6 ft.**

SHWS:
Name: KAISER YACHT PROPERTY
Address: 1122 E. 7TH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 10716503
Site Type: Undeveloped Property
Care Of: Not reported
PI ID: 545527
Prog ID: DE-1563
Additional Info: State Funded Brownfield
Reference Pt: Facility/Interest Center
Horizontal Method: Photo Interpolation-2012 Orthophoto
Loc Type: P
XCoordinate NAD83 Meters: 189623.8
YCoordinate NAD83 Meters: 192850.78
Latitude Dec: 39.73714
Longitude Dec: -75.537768
Latitude Degrees: 39
Latitude Minutes: 44
Latitude Seconds: 13.704
Longitude Degrees: -75
Longitude Minutes: 32
Longitude Seconds: 15.9648
PO Name: Wilmington
Tax ID: Not reported
Sewer District: Not reported
Floodplain Zone Code: AE
Flood Plain Zone: Located within 100-year floodplain, flood elevations have been determined.
Basin: Piedmont
Watershed: Christina River
DRBC_Basin: Not reported
Quad: WILMINGTON SOUTH
Senate District: 2
Senator: Senator Darius J. Brown
House District: 2
Representative: Representative Stephanie T Bolden

KAISER YACHT PROPERTY (Continued) **S116735487**

School District: Lake Forest
GMZ Name: City of Wilmington - 1 Zone
AG Pres District: Not reported
Water District: Not reported
Mod Grid: 112-356

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87 **PACK AND PROCESS** **DE SHWS** **S108147307**
NW **1101 EAST 8TH STREET** **DE INST CONTROL** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.718 mi.
3793 ft.

Relative: **Lower**

Actual: **4 ft.**

SHWS:
Name: 1101 E 8TH STREET-FORMER CARNEY HARRIS
Address: 1101 EAST 8TH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 10149954
Site Type: Animal Production
Care Of: Not reported
PI ID: 215675
Prog ID: DE-1397
Additional Info: State Funded Brownfield
Reference Pt: Facility/Interest Center
Horizontal Method: Photo Interpolation-2002 Orthophoto
Loc Type: P
XCoordinate NAD83 Meters: 189663.6
YCoordinate NAD83 Meters: 193063.79
Latitude Dec: 39.739073
Longitude Dec: -75.537257
Latitude Degrees: 39
Latitude Minutes: 44
Latitude Seconds: 20.6628
Longitude Degrees: -75
Longitude Minutes: 32
Longitude Seconds: 14.1252
PO Name: Wilmington
Tax ID: Not reported
Sewer District: Wilmington
Floodplain Zone Code: Not reported
Flood Plain Zone: Not reported
Basin: Piedmont
Watershed: Brandywine Creek
DRBC_Basin: Y
Quad: WILMINGTON SOUTH
Senate District: 2
Senator: Senator Darius J. Brown
House District: 2
Representative: Representative Stephanie T Bolden
School District: Lake Forest
GMZ Name: City of Wilmington - 1 Zone
AG Pres District: Not reported
Water District: Not reported
Mod Grid: Not reported

Name: SIP, INC PROPERTY
Address: 1101 EAST 8TH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 10152500

PACK AND PROCESS (Continued) **S108147307**

Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	218280
Prog ID:	DE-1408
Additional Info:	Federally Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190008.88
YCoordinate NAD83 Meters:	193051.11
Latitude Dec:	39.739038
Longitude Dec:	-75.532747
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	20.5368
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	57.8892
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Name:	SIP, INC PROPERTY
Address:	1101 EAST 8TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10152500
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	218280
Prog ID:	DE-1408
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190008.88
YCoordinate NAD83 Meters:	193051.11
Latitude Dec:	39.739038
Longitude Dec:	-75.532747
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	20.5368
Longitude Degrees:	-75

PACK AND PROCESS (Continued) **S108147307**

Longitude Minutes:	31
Longitude Seconds:	57.8892
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Name:	PACK AND PROCESS
Address:	1101 EAST 8TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10156217
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	221989
Prog ID:	DE-1421
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189657.29
YCoordinate NAD83 Meters:	192991.6
Latitude Dec:	39.738422
Longitude Dec:	-75.53733
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	18.3192
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	14.388
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest

PACK AND PROCESS (Continued) **S108147307**

GMZ Name: City of Wilmingtion - 1 Zone
AG Pres District: Not reported
Water District: Not reported
Mod Grid: 112-356

Inst Control:
Name: 1101 E 8TH STREET-FORMER CARNEY HARRIS
Address: 1101 EAST 8TH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1397
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 06/17/2013
Restrictions: 1) Use of the Property shall be restricted solely to Commercial Use 2) There shall be no land disturbing activities on the Property without the prior written approval of DNREC-SIRS; 3) No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Property without the prior written approval of DNREC-SIRS; and 4) Compliance with Long Term Stewardship Plan and Final Plan of Remedial Action.

Name: PACK AND PROCESS
Address: 1101 EAST 8TH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1421
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 02/04/2016
Restrictions: 1) Commercial Use, 2) No land disturbing activities, 3) Limitation of Groundwater withdrawal and 4) Compliance with LTS Plan.

Name: 1101 E 8TH STREET-FORMER CARNEY HARRIS
Address: 1101 EAST 8TH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1397
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 06/17/2013
Restrictions: 1) Use of the Property shall be restricted solely to Commercial Use 2) There shall be no land disturbing activities on the Property without the prior written approval of DNREC-SIRS; 3) No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Property without the prior written approval of DNREC-SIRS; and 4) Compliance with Long Term Stewardship Plan and Final Plan of Remedial Action.

Name: PACK AND PROCESS
Address: 1101 EAST 8TH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1421
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 02/04/2016
Restrictions: 1) Commercial Use, 2) No land disturbing activities, 3) Limitation of Groundwater withdrawal and 4) Compliance with LTS Plan.

S88 **KALMAR NYCKEL CHALLENGE** **DE SHWS** **S109093511**
NW **1120 AND 1112 EAST 7TH STREET** **DE INST CONTROL** **N/A**
1/2-1 **WILMINGTON, DE 19801** **DE BROWNFIELDS**
0.734 mi.
3877 ft. **Site 2 of 2 in cluster S**

Relative:
Lower

Actual:
6 ft.

SHWS:

Name:	KALMAR NYCKEL CHALLENGE PROGRAM
Address:	1120 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10380737
Site Type:	Educational Facilities
Care Of:	Not reported
PI ID:	352682
Prog ID:	DE-0339
Additional Info:	Federally Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Satellite Photo Interpolation-SPOT
Loc Type:	P
XCoordinate NAD83 Meters:	189700.05
YCoordinate NAD83 Meters:	192860.19
Latitude Dec:	39.737279
Longitude Dec:	-75.536852
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	14.2044
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	12.6672
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Name:	KALMAR NYCKEL CHALLENGE PROGRAM
Address:	1120 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10380737
Site Type:	Educational Facilities
Care Of:	Not reported
PI ID:	352682
Prog ID:	DE-0339
Additional Info:	Federally Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Satellite Photo Interpolation-SPOT

KALMAR NYCKEL CHALLENGE (Continued) **S109093511**

Loc Type:	P
XCoordinate NAD83 Meters:	189700.05
YCoordinate NAD83 Meters:	192860.19
Latitude Dec:	39.737279
Longitude Dec:	-75.536852
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	14.2044
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	12.6672
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Name:	KALMAR NYCKEL CHALLENGE PROGRAM
Address:	1120 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10380737
Site Type:	Educational Facilities
Care Of:	Not reported
PI ID:	352682
Prog ID:	DE-0339
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Satellite Photo Interpolation-SPOT
Loc Type:	P
XCoordinate NAD83 Meters:	189700.05
YCoordinate NAD83 Meters:	192860.19
Latitude Dec:	39.737279
Longitude Dec:	-75.536852
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	14.2044
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	12.6672
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported

KALMAR NYCKEL CHALLENGE (Continued) **S109093511**

Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Name:	KALMAR NYCKEL CHALLENGE PROGRAM
Address:	1120 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10380737
Site Type:	Educational Facilities
Care Of:	Not reported
PI ID:	352682
Prog ID:	DE-0339
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Satellite Photo Interpolation-SPOT
Loc Type:	P
XCoordinate NAD83 Meters:	189700.05
YCoordinate NAD83 Meters:	192860.19
Latitude Dec:	39.737279
Longitude Dec:	-75.536852
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	14.2044
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	12.6672
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

Inst Control:
Name: KALMAR NYCKEL CHALLENGE PROGRAM

KALMAR NYCKEL CHALLENGE (Continued) **S109093511**

Address: 1120 EAST 7TH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-0339
Report Title: Deed Restriction Sites
Site Type: Federally Funded Brownfield
Deed Restriction Date: 10/10/2012
Restrictions: No digging/limitation of groundwater withdrawal and compliance with O&M Plan.

Name: KALMAR NYCKEL CHALLENGE PROGRAM
Address: 1120 EAST 7TH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-0339
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 10/10/2012
Restrictions: No digging/limitation of groundwater withdrawal and compliance with O&M Plan.

DE BROWNFIELD:
Name: KALMAR NYCKEL CHALLENGE
Address: 1120 AND 1112 EAST 7TH STREET
City,State,Zip: WILMINGTON, DE 19801
edr_fcity: WILMINGTON
Facility ID: DE-0339
Certification Date: 4.24.08
Acreage: 3.36+/-

89
NNW
1/2-1
0.737 mi.
3890 ft.

MAFFETT 12TH STREET PROPERTY **DE SHWS S106022175**
1330 12TH STREET **DE VCP N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
9 ft.

SHWS:
Name: 12TH STREET DRUM SITE
Address: 1330 EAST 12TH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 10056524
Site Type: Dump-Unathorized
Care Of: Not reported
PI ID: 27319
Prog ID: DE-0294
Additional Info: EPA Removal Action Site
Reference Pt: Unknown
Horizontal Method: Unknown
Loc Type: P
XCoordinate NAD83 Meters: 190604.75
YCoordinate NAD83 Meters: 192915.14
Latitude Dec: 39.737289
Longitude Dec: -75.525864
Latitude Degrees: 39
Latitude Minutes: 44
Latitude Seconds: 14.2404
Longitude Degrees: -75
Longitude Minutes: 31
Longitude Seconds: 33.1104

MAFFETT 12TH STREET PROPERTY (Continued) **S106022175**

PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	12TH STREET DRUM SITE
Address:	1330 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056524
Site Type:	Dump-Unathorized
Care Of:	Not reported
PI ID:	27319
Prog ID:	DE-0294
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190604.75
YCoordinate NAD83 Meters:	192915.14
Latitude Dec:	39.737289
Longitude Dec:	-75.525864
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	14.2404
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	33.1104
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported

MAFFETT 12TH STREET PROPERTY (Continued) **S106022175**

Water District:	Not reported
Mod Grid:	Not reported
Name:	BRANDYWINE CREEK MYSTERY OIL SITE
Address:	1330 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056526
Site Type:	Other
Care Of:	Not reported
PI ID:	27321
Prog ID:	DE-0305
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190549.54
YCoordinate NAD83 Meters:	192979.94
Latitude Dec:	39.738342
Longitude Dec:	-75.52699
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	18.0312
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	37.164
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

VCP:

Name:	MAFFETT 12TH STREET PROPERTY
Address:	1330 12TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056808
Program ID:	DE-1299
Site Type:	Animal Production
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
X Coordinate Nad83 Meters:	190567.7
Y Coordinate Nad83 Meters:	193005

MAFFETT 12TH STREET PROPERTY (Continued) **S106022175**

Latitude Dec:	39.7385650
Longitude Dec:	-75.526742
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	18.834
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	36.2747999
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

90
WNW
1/2-1
0.739 mi.
3902 ft.

WHITE'S BODY SHOP **DE SHWS** **S124520975**
S BUTTONWOOD AND B STREET **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
7 ft.

SHWS:

Name:	WHITE'S BODY SHOP
Address:	S BUTTONWOOD AND B STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10753831
Site Type:	Garage/Auto Body Shop
Care Of:	Not reported
PI ID:	600038
Prog ID:	DE-1702
Additional Info:	State Funded Brownfield
Reference Pt:	Facility Entance(General)
Horizontal Method:	Photo Interpolation-Non-orthopohoto
Loc Type:	P
XCoordinate NAD83 Meters:	189013.91
YCoordinate NAD83 Meters:	192102.48
Latitude Dec:	-75.544975
Longitude Dec:	39.730539
Latitude Degrees:	-76
Latitude Minutes:	27
Latitude Seconds:	18.09
Longitude Degrees:	40
Longitude Minutes:	16
Longitude Seconds:	10.0596
PO Name:	Wilmington
Tax ID:	Not reported

WHITE'S BODY SHOP (Continued) **S124520975**

Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

91
WNW
1/2-1
0.741 mi.
3914 ft.

ELBERT PARK **DE SHWS** **S106531593**
621 TOWNSEND STREET **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
11 ft.

SHWS:

Name:	ELBERT PARK
Address:	621 TOWNSEND STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10057698
Site Type:	Public Open Space
Care Of:	Not reported
PI ID:	28301
Prog ID:	DE-1327
Additional Info:	Federally Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188899.79
YCoordinate NAD83 Meters:	191851.42
Latitude Dec:	39.727975
Longitude Dec:	-75.546133
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	40.71
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	46.0788
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16

ELBERT PARK (Continued) **S106531593**

Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	ELBERT PARK
Address:	621 TOWNSEND STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10057698
Site Type:	Public Open Space
Care Of:	Not reported
PI ID:	28301
Prog ID:	DE-1327
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188899.79
YCoordinate NAD83 Meters:	191851.42
Latitude Dec:	39.727975
Longitude Dec:	-75.546133
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	40.71
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	46.0788
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

T92
WNW
1/2-1
0.756 mi.
3994 ft.

900 A STREET — **DE SHWS** — **S106800049**
900 A STREET — **N/A**
WILMINGTON, DE 19801

Site 1 of 2 in cluster T

Relative:
Lower

Actual:
6 ft.

SHWS:

Name:	900 A STREET
Address:	900 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10058831
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	29635
Prog ID:	DE-1346
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	188948.43
YCoordinate NAD83 Meters:	192123.77
Latitude Dec:	39.731026
Longitude Dec:	-75.545544
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	51.6936
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	43.9584
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

93
NNW
1/2-1
0.763 mi.
4029 ft.

12TH STREET ASSOCIATES — **DE SHWS** — **S108477049**
1200 EAST 12TH STREET — **N/A**
WILMINGTON, DE 19802

Relative:
Lower

Actual:
12 ft.

SHWS:

Name:	12TH STREET ASSOCIATES
Address:	1200 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10164087
Site Type:	Other

12TH STREET ASSOCIATES (Continued) **S108477049**

Care Of:	Not reported
PI ID:	27092
Prog ID:	DE-1222
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189938.6
YCoordinate NAD83 Meters:	193212.63
Latitude Dec:	39.740955
Longitude Dec:	-75.533211
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	27.438
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	59.5596
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

T94 **APPLIED TECHNOLOGY INC** **SEMS-ARCHIVE** **1000284706**
WNW **800 "A" ST** **RCRA-TSDF** **DED980555585**
1/2-1 **WILMINGTON, DE 19898** **DE SHWS**
0.793 mi. **RCRA NonGen / NLR**
4188 ft. **Site 2 of 2 in cluster T**

Relative: **Lower**

Actual: **7 ft.**

SEMS Archive:

Site ID:	0303186
EPA ID:	DED980555585
Name:	APPLIED TECHNOLOGY INC
Address:	800 A STREET
Address 2:	Not reported
City,State,Zip:	WILMINGTON, DE 19898
Cong District:	01
FIPS Code:	10003
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	03
Site ID:	0303186

APPLIED TECHNOLOGY INC (Continued) **1000284706**

EPA ID: DED980555585
Site Name: APPLIED TECHNOLOGY INC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1990-03-06 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 03
Site ID: 0303186
EPA ID: DED980555585
Site Name: APPLIED TECHNOLOGY INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1988-08-22 04:00:00
Finish Date: 1988-08-22 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 03
Site ID: 0303186
EPA ID: DED980555585
Site Name: APPLIED TECHNOLOGY INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1990-03-06 05:00:00
Qual: N
Current Action Lead: EPA Perf

RCRA NonGen / NLR:
Date Form Received by Agency: 19920314
Handler Name: APPLIED TECHNOLOGY INC
Handler Address: 800 "A" ST
Handler City,State,Zip: WILMINGTON, DE 19898
EPA ID: DED980555585
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported

APPLIED TECHNOLOGY INC (Continued) **1000284706**

EPA Region:	03
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	25 SOUTH SHORE DR
Mailing City,State,Zip:	TOMS RIVER, NJ 08753
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

APPLIED TECHNOLOGY INC (Continued) **1000284706**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	APPLIED TECHNOLOGY INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	25 SOUTH SHORE DR
Owner/Operator City,State,Zip:	TOMS RIVER, NJ 08753
Owner/Operator Telephone:	201-255-5163
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROBERT FONTAINE OR RICHARD MANCINI
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	25 SOUTH SHORE DR
Owner/Operator City,State,Zip:	OPERCITY, NJ 99999
Owner/Operator Telephone:	201-255-5163
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19820518
Handler Name:	APPLIED TECHNOLOGY INC

APPLIED TECHNOLOGY INC (Continued) **1000284706**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19910425
Handler Name: APPLIED TECHNOLOGY INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19920314
Handler Name: APPLIED TECHNOLOGY INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19811201
Handler Name: APPLIED TECHNOLOGY INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

APPLIED TECHNOLOGY INC (Continued) **1000284706**

Evaluation Action Summary:
Evaluations: No Evaluations Found

SHWS:

Name:	APPLIED TECHNOLOGY INC
Address:	800 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10051419
Site Type:	Other
Care Of:	Not reported
PI ID:	27077
Prog ID:	DE-0187
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	188887.65
YCoordinate NAD83 Meters:	192149.44
Latitude Dec:	39.731111
Longitude Dec:	-75.545829
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	51.9996
Longitude Degrees:	-75
Longitude Minutes:	32

APPLIED TECHNOLOGY INC (Continued) **1000284706**

Longitude Seconds:	44.9844
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

RCRA NonGen / NLR:

Date Form Received by Agency:	19920314
Handler Name:	APPLIED TECHNOLOGY INC
Handler Address:	800 "A" ST
Handler City,State,Zip:	WILMINGTON, DE 19898
EPA ID:	DED980555585
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	03
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	25 SOUTH SHORE DR
Mailing City,State,Zip:	TOMS RIVER, NJ 08753
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No

APPLIED TECHNOLOGY INC (Continued) **1000284706**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE

APPLIED TECHNOLOGY INC (Continued) **1000284706**

Waste Code: D003
Waste Description: REACTIVE WASTE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: APPLIED TECHNOLOGY INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 25 SOUTH SHORE DR
Owner/Operator City,State,Zip: TOMS RIVER, NJ 08753
Owner/Operator Telephone: 201-255-5163
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ROBERT FONTAINE OR RICHARD MANCINI
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 25 SOUTH SHORE DR
Owner/Operator City,State,Zip: OPERCITY, NJ 99999
Owner/Operator Telephone: 201-255-5163
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19820518
Handler Name: APPLIED TECHNOLOGY INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19910425
Handler Name: APPLIED TECHNOLOGY INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920314

APPLIED TECHNOLOGY INC (Continued) **1000284706**

Handler Name: APPLIED TECHNOLOGY INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19811201
Handler Name: APPLIED TECHNOLOGY INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

95
North
1/2-1
0.797 mi.
4208 ft.

1610/0 BOWERS STREET
1610 & 0 BOWERS STREET
WILMINGTON, DE 19802

DE SHWS **S109093516**
N/A

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	1610/0 BOWERS STREET
Address:	1610 & 0 BOWERS STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10280236
Site Type:	Other
Care Of:	Not reported
PI ID:	353146
Prog ID:	DE-1440
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190553.58
YCoordinate NAD83 Meters:	193369.85
Latitude Dec:	39.74206
Longitude Dec:	-75.526734
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	31.416
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	36.2424
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	114-356-2

U96
NW
1/2-1
0.802 mi.
4237 ft.

7TH STREET AND SWEDES LANDING RD EASEMENT
7TH STREET & SWEDES LANDING ROAD
WILMINGTON, DE 19801

Site 1 of 2 in cluster U

DE SHWS **S109093512**
N/A

Relative:
Lower

Actual:
13 ft.

SHWS:

Name:	7TH STREET AND SWEDES LANDING RD EASEMENT
Address:	7TH STREET & SWEDES LANDING ROAD
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	Not reported
Site Type:	Animal Production

7TH STREET AND SWEDES LANDING RD EASEMENT (Continued) **S109093512**

Care Of:	Not reported
PI ID:	Not reported
Prog ID:	DE-1436
Additional Info:	HSCA
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate NAD83 Meters:	Not reported
YCoordinate NAD83 Meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
PO Name:	Not reported
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC_Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

97
NNW
1/2-1
0.804 mi.
4244 ft.

FORMER RUSSELL STANLEY FACILITY
1204 12TH STREET
WILMINGTON, DE 19802

DE SHWS **S122220370**
DE VCP **N/A**
DE BROWNFIELDS

Relative:
Lower

Actual:
13 ft.

SHWS:

Name:	FORMER RUSSELL STANLEY FACILITY
Address:	1204 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10056809
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27603
Prog ID:	DE-1300
Additional Info:	State Funded Brownfield
Reference Pt:	Other
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189938.34
YCoordinate NAD83 Meters:	193212.5
Latitude Dec:	39.74068

FORMER RUSSELL STANLEY FACILITY (Continued) **S122220370**

Longitude Dec:	-75.5323
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	26.448
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	56.28
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

VCP:

Name:	FORMER RUSSELL STANLEY FACILITY
Address:	1204 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10056809
Program ID:	DE-1300
Site Type:	Other Industrial Plant
Care Of:	Not reported
Reference Pt:	Other
Horizontal Method:	Unknown
Loc Type:	P
X Coordinate Nad83 Meters:	189938.3
Y Coordinate Nad83 Meters:	193212.5
Latitude Dec:	39.7406799
Longitude Dec:	-75.532300
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	26.448
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	56.2800000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2

FORMER RUSSELL STANLEY FACILITY (Continued) **S122220370**

Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

DE BROWNFIELD:

Name:	RUSSELL-STANLEY
Address:	1207 E. 12TH STREET
City,State,Zip:	WILMINGTON, DE
edr_fcity:	WILMINGTON
Facility ID:	DE-1300
Certification Date:	02.10.05
Acreage:	15.0+/-

98
West
1/2-1
0.805 mi.
4252 ft.

1001 NEW CASTLE AVE **DE SHWS** **S118480498**
1001 NEW CASTLE AVE **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
15 ft.

SHWS:

Name:	1001 NEW CASTLE AVE
Address:	1001 NEW CASTLE AVE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10729592
Site Type:	Salvage Yard
Care Of:	Not reported
PI ID:	564470
Prog ID:	DE-0369
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188907.92
YCoordinate NAD83 Meters:	191238.17
Latitude Dec:	39.722602
Longitude Dec:	-75.54607
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	21.3672
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	45.852
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2

1001 NEW CASTLE AVE (Continued) **S118480498**

Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Southwest Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-352

U99 **KEMPF STORAGE SITE** **DE SHWS** **S109842219**
NW **1101 EAST 7TH STREET 1220 EAST 8TH STREET** **DE AST** **N/A**
1/2-1 **WILMINGTON, DE 19801** **DE INST CONTROL**
0.809 mi. **DE BROWNFIELDS**
4270 ft. **Site 2 of 2 in cluster U**

Relative: **Lower**
Actual: **13 ft.**

SHWS:

Name:	KEMPF STORAGE
Address:	1101 EAST 7TH STREET - 1120EAST 8TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10366876
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	450590
Prog ID:	DE-1481
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Address Matching-House Number
Loc Type:	P
XCoordinate NAD83 Meters:	189887.93
YCoordinate NAD83 Meters:	192918.95
Latitude Dec:	39.737941
Longitude Dec:	-75.534576
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.5876
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	4.4736
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

KEMPF STORAGE SITE (Continued) **S109842219**

AST:

Name:	RUPPERT LANDSCAPE
Address:	1101 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10766599
PI Id:	617826
Prog Id:	7-000788
Additional Info:	Not reported
Country Abv:	US
Careof:	Not reported
Loc Type:	Not reported
County:	Not reported
Town:	Not reported
PO Name:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
DRBC Basin:	Not reported
Quad:	Not reported
Watershed:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
MOD Grid:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
Reference Point:	Not reported
Horizontal Method:	Not reported
XCoord:	Not reported
Horizontal Method:	Not reported

Inst Control:

Name:	KEMPF STORAGE
Address:	1101 EAST 7TH STREET - 1120EAST 8TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1481
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	03/03/2016
Restrictions:	1) Commercial Use, 2) No land disturbing activities with DNREC written approval, 3) Compliance with LTS Plan and 4) Compliance with CMM Plan.

DE BROWNFIELD:

Name:	KEMPF STORAGE SITE
Address:	1101 EAST 7TH STREET 1220 EAST 8TH STREET

KEMPF STORAGE SITE (Continued) **S109842219**

City,State,Zip: WILMINGTON, DE 19801
edr_fcity: WILMINGTON
Facility ID: DE-1481
Certification Date: 10.05.09
Acreage: 3/72+/-

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100 NNW 1/2-1 0.809 mi. 4271 ft. **RIVERSIDE HOSPITAL** **DE SHWS 1000490434**
LEA BLVD. & FRANKLIN PLACE **MLTS N/A**
WILMINGTON, DE 19802

Relative: Lower

Actual: 0 ft.

SHWS:

Name:	RIVERSIDE
Address:	7TH STREET & 16TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056572
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27367
Prog ID:	DE-1053
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189690.15
YCoordinate NAD83 Meters:	193137.76
Latitude Dec:	39.739722
Longitude Dec:	-75.53694
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	22.9992
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	12.984
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	RIVERSIDE
Address:	7TH STREET & 16TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056572

RIVERSIDE HOSPITAL (Continued) **1000490434**

Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27367
Prog ID:	DE-1053
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189690.15
YCoordinate NAD83 Meters:	193137.76
Latitude Dec:	39.739722
Longitude Dec:	-75.53694
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	22.9992
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	12.984
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

MLTS:

Contact Name:	CHARLES SMITH
Contact Phone:	302-764-6120
Institution Code:	18391
Dock Number:	3014988
License Number:	07-18391-01
Lic. Expiration Date:	2005-08-31 00:00:00
Licensee:	RIVERSIDE HOSPITAL
Licensee Line 2:	Not reported
License Contact Street 1:	LEA BLVD. & FRANKLIN PLACE
License Contact Street 2:	Not reported
License Contact Street 3:	Not reported
License Contact City:	WILMINGTON
License Contact State:	DE
License Contact Zip:	19802
License Date:	1996-12-15 00:00:00
First License Date:	1984-06-18 00:00:00
Status:	Retired
Agency Code:	NRC
Authorized States:	Not reported

RIVERSIDE HOSPITAL (Continued) **1000490434**

Authorized for Burial:	N
Approved for Storage Flag:	N
Approved for Redistrib Flag:	N
Approved for Incineration:	N
Last Inspection Date:	1995-02-01 00:00:00
Date of Nest Inspection:	1998-02-01 00:00:00
Primary RSO Full Name:	STEVEN EDELL
Inspection Status:	Draft

V101 **726 A ST.** **DE SHWS** **S118100057**
WNW **726 A STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.823 mi.
4347 ft. **Site 1 of 2 in cluster V**

Relative: **Lower**
Actual: **5 ft.**

SHWS:

Name:	726 A ST.
Address:	726 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10725835
Site Type:	Construction
Care Of:	Not reported
PI ID:	558797
Prog ID:	DE-1606
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188850.2
YCoordinate NAD83 Meters:	192169.66
Latitude Dec:	39.731038
Longitude Dec:	-75.546696
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	51.7368
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	48.1056
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

102
WNW
1/2-1
0.827 mi.
4369 ft.

CHRISTINA PARK
100 NORTH CHURCH STREET
WILMINGTON, DE 19801

DE SHWS **S109484956**
DE INST CONTROL **N/A**

Relative:
Lower

Actual:
5 ft.

SHWS:

Name:	CHRISTINA PARK
Address:	100 NORTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10002094
Site Type:	Other
Care Of:	Not reported
PI ID:	27337
Prog ID:	DE-0300
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189176.98
YCoordinate NAD83 Meters:	192675.98
Latitude Dec:	39.735224
Longitude Dec:	-75.543159
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	6.8064
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	35.3724
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Name:	CHRISTINA PARK
Address:	100 NORTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-0300
Report Title:	Deed Restriction Sites
Site Type:	HSCA
Deed Restriction Date:	08/25/2015

Restrictions: Not reported

Name: CHRISTINA PARK

CHRISTINA PARK (Continued) **S109484956**

Address: 100 NORTH CHURCH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-0300
Report Title: Deed Restriction Sites
Site Type: HSCA
Deed Restriction Date: 08/25/2015
Restrictions: 1) No interference with Remedy, 2) Limitation of Groundwater Withdrawal and 3) Compliance with O&M Plan.

103
WNW
1/2-1
0.845 mi.
4461 ft.

J.T. WARD AND SONS CONTRACTORS **DE SHWS S104232422**
800 SOUTH CHURCH STREET **DE LUST N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
7 ft.

SHWS:

Name:	OLD INCINERATOR ASH LANDFILL
Address:	800 SOUTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10023790
Site Type:	Not reported
Care Of:	Not reported
PI ID:	26996
Prog ID:	DE-1179
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	188709.3
YCoordinate NAD83 Meters:	191881.51
Latitude Dec:	39.729095
Longitude Dec:	-75.548732
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	44.742
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	55.4352
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

J.T. WARD AND SONS CONTRACTORS (Continued) **S104232422**

LUST:

Name:	J.T. WARD AND SONS CONTRACTORS
Address:	800 SOUTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10023790
Status:	Inactive
Date Closed:	**05/10/1993**
Project Number:	N9010092
Watershed:	Brandywine Creek
Basin:	Piedmont
Latitude:	39.74005
Longitude:	-75.5409
Country Abv:	US
PI ID:	19492
Prog ID:	3-000131
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	J.T. WARD AND SON, INC.
Address:	800 SOUTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10023790
Status:	Inactive
Date Closed:	**06/29/1993**
Project Number:	N9306124
Watershed:	Brandywine Creek
Basin:	Piedmont
Latitude:	39.74005
Longitude:	-75.5409
Country Abv:	US
PI ID:	19492
Prog ID:	3-000131
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington

J.T. WARD AND SONS CONTRACTORS (Continued) **S104232422**

Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

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104 **AMTRAK WILMINGTON MAINTENANCE FACILITY** **DE SHWS** **S106673379**
North **4001 VANDEVER AVENUE** **DE LUST** **N/A**
1/2-1 **WILMINGTON, DE 19802** **DE SPILLS**
0.848 mi. **DE AIRS**
4480 ft. **DE NPDES**

Relative: **Lower**

Actual: **9 ft.**

SHWS:

Name:	AMTRAK WILMINGTON RAILYARD
Address:	4001 VANDEVER AVENUE
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10000007
Site Type:	Spill Site
Care Of:	Not reported
PI ID:	27108
Prog ID:	DE-0170
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	191186.86
YCoordinate NAD83 Meters:	193992.89
Latitude Dec:	39.746944
Longitude Dec:	-75.522218
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	48.9984
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	19.9848
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden

AMTRAK WILMINGTON MAINTENANCE FACILITY (Continued) **S106673379**

School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

LUST:

Name:	AMTRAK WILMINGTON MAINTENANCE FACILITY
Address:	4001 VANDEVER AVENUE
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10000007
Status:	Inactive
Date Closed:	**12/15/2016**
Project Number:	N1611208
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.72838
Longitude:	-75.5708
Country Abv:	US
PI ID:	17638
Prog ID:	3-000523
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Red Clay Consolidated
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	AMTRAK STATION, WILMINGTON
Address:	4001 VANDEVER AVENUE
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10000007
Status:	Inactive
Date Closed:	**03/16/1995**
Project Number:	N9407176
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.72838
Longitude:	-75.5708
Country Abv:	US
PI ID:	17638
Prog ID:	3-000523

AMTRAK WILMINGTON MAINTENANCE FACILITY (Continued) **S106673379**

Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Red Clay Consolidated
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	AMTRAC
Address:	4001 VANDEVER AV
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	62
Release ID:	12814
Release Date:	09/20/2007
Hazardous:	NO
Report Date:	09/20/2007
Release Location:	4301 VANDEVER AVE WILMINGTON
Substance Release:	HYDRAULIC OIL VEGETABLE BASED
Release Duration:	At Least 5 minutes
Est Quantity:	Less than 25.00 GALLONS
Release To:	GROUND;
Health Risk:	none
Medical Attention:	none
Prerecomm:	None
Pub Notified:	NO
Facility Contact:	MODY, RICH
Facility Contact Tele:	215-783-8428
Facility Contact Email:	Not reported
Status:	Final
Additional Info:	A BROKEN HYDRAULIC LINE ALLOWED THE FLUID TO ESCAPE TO THE GROUND.

Name:	AMTRAC
Address:	4001 VANDEVER AV
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	63
Release ID:	10299
Release Date:	08/30/2002
Hazardous:	NO
Report Date:	08/30/2002
Release Location:	AMTRAK RAILROAD BETWEEN NEWPORT AND STANTON
Substance Release:	OIL, PETROLEUM, N.O.S.

AMTRAK WILMINGTON MAINTENANCE FACILITY (Continued) **S106673379**

Release Duration: Intermittent
Est Quantity: Equal to 50.00 GALLONS
Release To: GROUND;
Health Risk: OIL, PETROLEUM, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution. (DOT, 1996)
Medical Attention: OIL, PETROLEUM, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Wash skin with soap and water. Keep victim warm and quiet. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. (DOT, 1996)
Prerecomm: None
Pub Notified: NO
Facility Contact: AMTRAC
Facility Contact Tele: 215-349-2779
Facility Contact Email: Not reported
Status: Final
Additional Info: Not reported

Name: AMTRAK WILMINGTON FACILITY
Address: 4001 VANDEVER AVENUE
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 10000007
Release ID: 10153
Release Date: 05/02/2002
Hazardous: NO
Report Date: 05/02/2002
Release Location: US 495 S/O PHILADELPHIA PIKE CLAYMONTBETWEEN THE EAST EDGE OF 495 AND THE AMTRAK RAIL** RESULTING FROM A TRAFFIC ACCIDENT NOT INVOLVING ANY TRAIN
Substance Release: FUEL OIL, [DIESEL]
Release Duration: At Least 60 minutes
Est Quantity: Equal to 100.00 GALLONS
Release To: GROUND;
Health Risk: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.LIQUID: Irritating to skin and eyes. Harmful if swallowed. (USCG, 1999)
Medical Attention: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.EYES: First check the victim for contact lenses and remove if present. Flush victim s eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim s eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.SKIN: IMMEDIATELY flood affected skin with water while removing

AMTRAK WILMINGTON MAINTENANCE FACILITY (Continued) **S106673379**

and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing.INGESTION: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim s airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)

Prerecomm: None
Pub Notified: YES
Facility Contact: AMTRAK POLICE
Facility Contact Tele: 800-331-0008
Facility Contact Email: Not reported
Status: Final
Additional Info: Not reported

Name: AMTRAC
Address: 4001 VANDEVER AV
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 62
Release ID: 13882
Release Date: 10/26/2010
Hazardous: NO
Report Date: 10/26/2010
Release Location: 4001 VANDEVERE AVEWILMINGTON DE 19801
Substance Release: FUEL OIL, [NO. 2]
Release Duration: Continuous
Est Quantity: Equal To 200.00 GALLONS
Release To: GROUND;
Health Risk: FUEL OIL, [NO. 2]The following chemical information was taken from the CAMEO Chemical database.INHALATION causes headache and slight giddiness. INGESTION causes nausea, vomiting, and cramping; depression of central nervous system ranging from mild headache to anesthesia, coma, and death; pulmonary irritation secondary to exhalation of solvent; signs of kidney and liver damage may be delayed. ASPIRATION causes severe lung irritation with coughing, gagging, dyspnea, substernal distress, and rapidly developing pulmonary edema; later, signs of bronchopneumonia and pneumonitis; acute onset of central nervous system excitement followed by depression. (USCG, 1999)

AMTRAK WILMINGTON MAINTENANCE FACILITY (Continued) **S106673379**

Medical Attention: FUEL OIL, [NO. 2]The following chemical information was taken from the CAMEO Chemical database.INGESTION: do NOT induce vomiting. ASPIRATION: enforce bed rest; administer oxygen; seek medical attention. EYES: wash with copious quantity of water. SKIN: remove solvent by wiping and wash with soap and water. (USCG, 1999)
Prerecomm: None
Pub Notified: YES
Facility Contact: STEVE BAGGETT
Facility Contact Tele: 610-704-1223
Facility Contact Email: Not reported
Status: Final
Additional Info: DURING RECOVERY OPERATIONS AT THE ABOVE LOCATION FOR AMTRAK A RECOVERY TANK WAS OVERFILLED WITH DIESEL FUEL WHEN AN ALARM ON THE TANK MALFUNCTIONED RESULTING IN APPROXIMATELY 200 GALLONS OF DIESL FUEL SPILLING ONTO THE GROUND. REPORTING PARTY WAS HAVING THE SYSTEM CHECKED TO TRY AND DETERMINE WHY THE ALARM SYSTEMS FAILED TO OPERATE. REPORTING PERSON RELATED THERE IS MORE THAN ONE ALARM ON THE SYSTEM AND NONE OF THEM OPERATED PROPERLY.

Name: AMTRAC
Address: 4001 VANDEVER AV
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 62
Release ID: 13922
Release Date: 01/09/2011
Hazardous: NO
Report Date: 01/09/2011
Release Location: 4001 Vandevere AveWilmington DE 19801
Substance Release: FUEL OIL, [DIESEL]
Release Duration: Continuous
Est Quantity: Greater Than 50.00 Gallons
Release To: GROUND;
Health Risk: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.LIQUID: Irritating to skin and eyes. Harmful if swallowed. (USCG, 1999)
Medical Attention: FUEL OIL, [DIESEL]The following chemical information was taken from the CAMEO Chemical database.EYES: First check the victim for contact lenses and remove if present. Flush victim s eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim s eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.SKIN: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a

AMTRAK WILMINGTON MAINTENANCE FACILITY (Continued) **S106673379**

hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing.INGESTION: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim s airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)

Prerecomm: None
Pub Notified: NO
Facility Contact: Tom Beam
Facility Contact Tele: 302-462-5978
Facility Contact Email: Not reported
Status: Final
Additional Info: Mr Beam from Amtrak called to report there was a spill of diesel fuel from a Tile Laying Machine (TLM) at a maintenance shop for the company (Amtrak). Mr Beam related the machine was partially outside the shop because of the size of it and there was a broken valve which was the reason for the spill. Mr Beam related there was over 50 gallons spilled into a trough just outside the shop. Mr Beam related an outfall and storm drain in the area were checked for any free standing product which revealed nothing in these two areas.

Name: AMTRAC
Address: 4001 VANDEVER AV
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 62
Release ID: 10745
Release Date: 08/08/2003
Hazardous: NO
Report Date: 08/08/2003
Release Location: AMTRAK YARD WILMINGTON
Substance Release: OIL, [FLAMMABLE LIQUID LABEL]
Release Duration: Continuous
Est Quantity: Less than 97.00 GALLONS
Release To: GROUND;
Health Risk: OIL, [FLAMMABLE LIQUID LABEL]The following chemical information was taken from the CAMEO Chemical database.May irritate eyes and skin. (USCG, 1999)
Medical Attention: OIL, [FLAMMABLE LIQUID LABEL]The following chemical information was taken from the CAMEO Chemical database.EYES: flush with water for at least 15 min. SKIN: wipe off and wash with soap and water. (USCG, 1999)
Prerecomm: None
Pub Notified: YES
Facility Contact: AMTRAK
Facility Contact Tele: 302-429-6458
Facility Contact Email: UNKNOWN
Status: Final

AMTRAK WILMINGTON MAINTENANCE FACILITY (Continued) **S106673379**

Additional Info: LEAK FROM AN ENGINE TO THE TRACK BALLAST WHICH WILL BE REMOVED AND REPLACED. ESTIMATED QUANITITY BASED ON A WORSE CASE SCENAIRO

Name: AMTRAK WILMINGTON MAINTENANCE FACILITY
Address: 4001 VANDEVER AVE
City,State,Zip: WILMINGTON, DE 19802
Facility ID: 3154
Release ID: 14724
Release Date: 10/03/2013
Hazardous: NO
Report Date: 10/03/2013
Release Location: 4001 VANDEVER AVEWILMINGTON, DE 19802
Substance Release: HYDRAULIC FLUID
Release Duration: Continuous
Est Quantity: Equal To 50.00 GALLONS
Release To: GROUND;
Health Risk: .
Medical Attention: .
Prerecomm: None
Pub Notified: NO
Facility Contact: RICK MOUDY
Facility Contact Tele: 302-429-6458
Facility Contact Email: Not reported
Status: Final
Additional Info: HYDRAULIC FLUID LEAK FROM TRACK MAINTENANCE EQUIPMENT AT FACILITY. SPILL TOOK PLACE ON STONE BALLAST. CLEAN UP TO BE DONE.

Name: AMTRAC
Address: 4001 VANDEVER AV
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 62
Release ID: 11721
Release Date: 04/15/2005
Hazardous: NO
Report Date: 04/18/2005
Release Location: AMTRAK, 4001 VANDEVER AVE, WILMINGTON, DE
Substance Release: OIL, PETROLEUM, N.O.S.
Release Duration: Intermittent
Est Quantity: Equal to 35.00 GALLONS
Release To: GROUND;
Health Risk: OIL, PETROLEUM, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution. (DOT, 1996)
Medical Attention: OIL, PETROLEUM, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Wash skin with soap and water. Keep victim warm and quiet. Ensure that medical personnel are

AMTRAK WILMINGTON MAINTENANCE FACILITY (Continued) **S106673379**

aware of the material(s) involved, and take precautions to protect themselves. (DOT, 1996)
Prerecomm: None
Pub Notified: NO
Facility Contact: FRANK CLARK
Facility Contact Tele: 302-429-6458
Facility Contact Email: Not reported
Status: Final
Additional Info: SPILL CONTAINED AND DUG UP.

Name: AMTRAK WILMINGTON FACILITY
Address: 4001 VANDEVER AVENUE
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 10000007
Release ID: 12367
Release Date: 11/15/2006
Hazardous: NO
Report Date: 11/15/2006
Release Location: BRANDYWINE CREEK @ AMTRAK RAILROAD BRIDGE
Substance Release: PETROLEUM DISTILLATES, N.O.S.
Release Duration: At Least 1 minutes
Est Quantity: Less than 1.00 GALLON
Release To: WATER;
Health Risk: PETROLEUM DISTILLATES, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution. (DOT, 1996)
Medical Attention: PETROLEUM DISTILLATES, N.O.S.The following chemical information was taken from the CAMEO Chemical database.Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Wash skin with soap and water. Keep victim warm and quiet. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. (DOT, 1996)
Prerecomm: None
Pub Notified: NO
Facility Contact: RICHARD MOUDY
Facility Contact Tele: 215-783-8428
Facility Contact Email: Not reported
Status: Final
Additional Info: HYDRAULIC OIL LEAKED FROM A VALVE

AIRS:
Name: AMTRAK WILMINGTON MAINTENANCE FACILITY
Address: 4001 VANDEVER AVENUE
City,State,Zip: WILMINGTON, DE 19802
Facility Id: 10000007
X Coordinate: No
Y Coordinate: No
Reference Point: Unknown

AMTRAK WILMINGTON MAINTENANCE FACILITY (Continued) **S106673379**

Horizontal Method:	Client Supplied-Method Unknown
Latitude:	39.74431
Longitude:	-75.52883
Watershed:	Shellpot Creek
Basin:	Piedmont
State House District:	2
Representative:	Representative Stephanie T Bolden
State Senate District:	2
Senator:	Senator Darius J. Brown
School District:	Lake Forest
Quad:	WILMINGTON SOUTH
State Abbreviation:	Not reported
Town:	Wilmington
PI ID:	989
Prog ID:	1000300023
Additional Info:	Not reported
CareOf:	Not reported
ReferencePt:	Unknown
HorizontalMethod:	Client Supplied-Method Unknown
LocType:	P
LatitudeDec:	39.74431
LongitudeDec:	-75.52883
LatitudeDegrees:	39
LatitudeMinutes:	44
LatitudeSeconds:	39.516
LongitudeDegrees:	-75
LongitudeMinutes:	31
LongitudeSeconds:	43.788
County:	NEW CASTLE
State:	Not reported
Town:	Wilmington
PO Name:	Wilmington
ZIP5:	19802
TaxID:	Not reported
SewerDistrict:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
SenateDistrict:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmington - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	114-356-1

NPDES:

Name:	AMTRAK WILMINGTON MAINTENANCE FACILITY
Address:	4001 VANDEVER AVENUE
City,State,Zip:	WILMINGTON, DE 19802
Facility Id:	10000007
PI Id:	7

AMTRAK WILMINGTON MAINTENANCE FACILITY (Continued) **S106673379**

PI Name:	AMTRAK WILMINGTON MAINTENANCE FACILITY
Prog Id:	DE0050962
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Client Supplied-Method Unknown
Loc Type:	F
XCoordinate Nad83 meters:	0
YCoordinate Nad83 meters:	0
Latitude Dec:	39.73811
Longitude Dec:	-75.145833
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	17.196
Longitude Degrees:	-75
Longitude Minutes:	8
Longitude Seconds:	44.9988
County:	NEW CASTLE
State:	Delaware
Town:	Wilmington
Po Name:	Wilmington
Zip5:	19809
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
Drbc Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

V105 **700 A STREET SITE** **DE SHWS** **S105708272**
WNW **700 A STREET** **DE LUST** **N/A**
1/2-1 **WILMINGTON, DE 19801** **DE BROWNFIELDS**
0.858 mi.
4530 ft. **Site 2 of 2 in cluster V**

Relative: **Lower**
Actual: **5 ft.**

SHWS:

Name:	700 A STREET
Address:	700 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10058173
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	28837
Prog ID:	DE-1340
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2007 Orthophoto

700 A STREET SITE (Continued) **S105708272**

Loc Type:	P
XCoordinate NAD83 Meters:	188800.6
YCoordinate NAD83 Meters:	192196.4
Latitude Dec:	39.731163
Longitude Dec:	-75.547223
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	52.1868
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	50.0028
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

Name:	700 A STREET
Address:	700 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10058173
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	28837
Prog ID:	DE-1340
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2007 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188800.6
YCoordinate NAD83 Meters:	192196.4
Latitude Dec:	39.731163
Longitude Dec:	-75.547223
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	52.1868
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	50.0028
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.

700 A STREET SITE (Continued) **S105708272**

Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

LUST:

Name:	UPS, A STREET
Address:	700 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10025056
Status:	Inactive
Date Closed:	**03/12/2003**
Project Number:	N9303044
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.73119
Longitude:	-75.5467
Country Abv:	US
PI ID:	21065
Prog ID:	3-001468
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

DE BROWNFIELD:

Name:	700 A STREET SITE
Address:	700 A STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON

700 A STREET SITE (Continued) **S105708272**

Facility ID: DE-1340
Certification Date: 3.3.2017
Acreage: 2.95+/-

106
West
1/2-1
0.859 mi.
4533 ft.

900 S HEALD STREET
900 SOUTH HEALD STREET
WILMINGTON, DE 19801

DE SHWS **S127474317**
DE BROWNFIELDS **N/A**

Relative:
Lower

Actual:
13 ft.

SHWS:

Name:	900 S. HEALD STREET
Address:	900 S. HEALD STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10766691
Site Type:	Garage/Auto Body Shop
Care Of:	Not reported
PI ID:	617934
Prog ID:	DE-1760
Additional Info:	State Funded Brownfield
Reference Pt:	Facility Entance(General)
Horizontal Method:	Photo Interpolation-Non-orthopohoto
Loc Type:	P
XCoordinate NAD83 Meters:	188797.97
YCoordinate NAD83 Meters:	191285.93
Latitude Dec:	39.723112
Longitude Dec:	-75.547287
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	23.2032
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	50.2332
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC_Basin:	Y
Quad:	Not reported
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-352

DE BROWNFIELD:

Name:	900 S HEALD STREET
Address:	900 SOUTH HEALD STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON

900 S HEALD STREET (Continued) **S127474317**

Facility ID: DE-1760
Certification Date: 3.29.2021
Acreage: 1.58+/-

W107 **DELAWARE HUMANE ASSOCIATION** **DE SHWS** **S107712550**
WNW **701 A STREET** **DE INST CONTROL** **N/A**
1/2-1 **WILMINGTON, DE 19801** **DE BROWNFIELDS**
0.866 mi. **DE AIRS**
4571 ft. **Site 1 of 2 in cluster W**

Relative:
Lower

Actual:
6 ft.

SHWS:

Name:	701 A STREET
Address:	701 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10054412
Site Type:	Private Office Building
Care Of:	Not reported
PI ID:	128756
Prog ID:	DE-1376
Additional Info:	Federally Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188841.4
YCoordinate NAD83 Meters:	192337.27
Latitude Dec:	39.732464
Longitude Dec:	-75.546892
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	56.8704
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	48.8112
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	701 A STREET
Address:	701 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10054412
Site Type:	Private Office Building
Care Of:	Not reported

DELAWARE HUMANE ASSOCIATION (Continued) **S107712550**

PI ID:	128756
Prog ID:	DE-1376
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188841.4
YCoordinate NAD83 Meters:	192337.27
Latitude Dec:	39.732464
Longitude Dec:	-75.546892
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	56.8704
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	48.8112
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Name:	701 A STREET
Address:	701 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1376
Report Title:	Deed Restriction Sites
Site Type:	Federally Funded Brownfield
Deed Restriction Date:	06/11/2015
Restrictions:	1) Commercial Use only; 2) Limitation of Groundwater withdrawal; and 3) Compliance with LTS Plan.

Name:	701 A STREET
Address:	701 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1376
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	06/11/2015
Restrictions:	1) Commercial Use only; 2) Limitation of Groundwater withdrawal; and 3) Compliance with LTS Plan.

DELAWARE HUMANE ASSOCIATION (Continued) **S107712550**

DE BROWNFIELD:

Name:	DELAWARE HUMANE ASSOCIATION PROPERTY
Address:	701 A STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1376
Certification Date:	6.23.06
Acreage:	6.05+/-

AIRS:

Name:	DELAWARE HUMANE ASSOCIATION
Address:	701 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10054412
X Coordinate:	188903.329
Y Coordinate:	192398.66
Reference Point:	Unknown
Horizontal Method:	Unknown
Latitude:	39.733055
Longitude:	-75.546111
Watershed:	Christina River
Basin:	Piedmont
State House District:	16
Representative:	Representative Franklin D. Cooke
State Senate District:	2
Senator:	Senator Darius J. Brown
School District:	Indian River
Quad:	WILMINGTON SOUTH
State Abbreviation:	Not reported
Town:	Wilmington
PI ID:	23924
Prog ID:	1000300315
Additional Info:	Not reported
CareOf:	Not reported
ReferencePt:	Unknown
HorizontalMethod:	Unknown
LocType:	P
LatitudeDec:	39.733055
LongitudeDec:	-75.546111
LatitudeDegrees:	39
LatitudeMinutes:	43
LatitudeSeconds:	58.998
LongitudeDegrees:	-75
LongitudeMinutes:	32
LongitudeSeconds:	45.9996
County:	NEW CASTLE
State:	Not reported
Town:	Wilmington
PO Name:	Wilmington
ZIP5:	19801
TaxID:	Not reported
SewerDistrict:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River

DELAWARE HUMANE ASSOCIATION (Continued) **S107712550**

DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
SenateDistrict:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

108
West
1/2-1
0.876 mi.
4623 ft.

1001 GARASCHES LANE SITE
1001 GARASCHES LANE
WILMINGTON, DE 19801

DE SHWS **S113810191**
DE INST CONTROL **N/A**
DE BROWNFIELDS

Relative:
Lower

Actual:
16 ft.

SHWS:

Name:	1001 GARASCHES LANE
Address:	1001 GARASCHES LANE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10714358
Site Type:	Salvage Yard
Care Of:	Not reported
PI ID:	542456
Prog ID:	DE-1556
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188698.26
YCoordinate NAD83 Meters:	191632.76
Latitude Dec:	39.726178
Longitude Dec:	-75.548582
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	34.2408
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	54.8952
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported

1001 GARASCHES LANE SITE (Continued) **S113810191**

Mod Grid: 108-354

Inst Control:
Name: 1001 GARASCHES LANE
Address: 1001 GARASCHES LANE
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1556
Report Title: Deed Restriction Sites
Site Type: HSCA
Deed Restriction Date: 05/02/2017
Restrictions: 1) Commercial Use, 2) Limitation of Groundwater Withdrawal, 3) Compliance with CMMP.

DE BROWNFIELD:
Name: 1001 GARASCHES LANE SITE
Address: 1001 GARASCHES LANE
City,State,Zip: WILMINGTON, DE 19801
edr_fcity: WILMINGTON
Facility ID: DE-1556
Certification Date: 7.13.2016
Acreage: 2.49+/-

W109 **A STREET BROWNFIELD CORRIDOR** **DE SHWS** **S118736111**
WNW **A STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.889 mi.
4695 ft. **Site 2 of 2 in cluster W**

Relative:
Lower

Actual:
6 ft.

SHWS:
Name: A STREET BROWNFIELD CORRIDOR
Address: A STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 10722325
Site Type: Undeveloped Property
Care Of: Not reported
PI ID: 553695
Prog ID: DE-0364
Additional Info: Federally Funded Brownfield
Reference Pt: Facility/Interest Center
Horizontal Method: Photo Interpolation-2012 Orthophoto
Loc Type: P
XCoordinate NAD83 Meters: 188712.9
YCoordinate NAD83 Meters: 192325.75
Latitude Dec: 39.732036
Longitude Dec: -75.547541
Latitude Degrees: 39
Latitude Minutes: 43
Latitude Seconds: 55.3296
Longitude Degrees: -75
Longitude Minutes: 32
Longitude Seconds: 51.1476
PO Name: Wilmington
Tax ID: Not reported
Sewer District: Not reported
Floodplain Zone Code: AE
Flood Plain Zone: Located within 100-year floodplain, flood elevations have been determined.
Basin: Piedmont

A STREET BROWNFIELD CORRIDOR (Continued) **S118736111**

Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

Name:	A STREET BROWNFIELD CORRIDOR
Address:	A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10722325
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	553695
Prog ID:	DE-0364
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188712.9
YCoordinate NAD83 Meters:	192325.75
Latitude Dec:	39.732036
Longitude Dec:	-75.547541
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	55.3296
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	51.1476
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

Name:	A STREET BROWNFIELD CORRIDOR
Address:	A STREET
City,State,Zip:	WILMINGTON, DE 19801

A STREET BROWNFIELD CORRIDOR (Continued) **S118736111**

Facility ID:	10722325
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	553695
Prog ID:	DE-0364
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188712.9
YCoordinate NAD83 Meters:	192325.75
Latitude Dec:	39.732036
Longitude Dec:	-75.547541
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	55.3296
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	51.1476
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

X110 **12TH AND BRANDYWINE STREETS GARDEN PROJECT PROPERT** **DE SHWS** **S108086463**
NNW **12TH AND BRANDYWINE STREETS** **DE BROWNFIELDS** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.889 mi.
4696 ft. **Site 1 of 2 in cluster X**

Relative: **Lower**
Actual: **12 ft.**

SHWS:

Name:	12TH AND BRANDYWINE STREETS GARDEN PROJECT
Address:	1106 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10149359
Site Type:	Other
Care Of:	Not reported
PI ID:	215038
Prog ID:	DE-0328
Additional Info:	Federally Funded Brownfield
Reference Pt:	Boundary Point
Horizontal Method:	Map Interpolation-Tiger
Loc Type:	P
XCoordinate NAD83 Meters:	189899.75

12TH AND BRANDYWINE STREETS GARDEN PROJECT PROPERTY (Continued) **S108086463**

YCoordinate NAD83 Meters:	193399.89
Latitude Dec:	39.741996
Longitude Dec:	-75.534393
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	31.1856
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	3.8148
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-358

Name:	12TH AND BRANDYWINE STREETS GARDEN PROJECT
Address:	1106 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10149359
Site Type:	Other
Care Of:	Not reported
PI ID:	215038
Prog ID:	DE-0328
Additional Info:	State Funded Brownfield
Reference Pt:	Boundary Point
Horizontal Method:	Map Interpolation-Tiger
Loc Type:	P
XCoordinate NAD83 Meters:	189899.75
YCoordinate NAD83 Meters:	193399.89
Latitude Dec:	39.741996
Longitude Dec:	-75.534393
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	31.1856
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	3.8148
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek

12TH AND BRANDYWINE STREETS GARDEN PROJECT PROPERTY (Continued) **S108086463**

DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-358

DE BROWNFIELD:

Name:	12TH AND BRANDYWINE STREETS GARDEN PROJECT PROPERTY
Address:	12TH AND BRANDYWINE STREETS
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-0328
Certification Date:	6.26.06
Acreage:	0.33+/-

---

111 WNW 1/2-1 0.899 mi. 4748 ft. **PUSEY AND JONES SHIPYARD** **DE SHWS** **S102021085**
FRONT STREET **N/A**
WILMINGTON, DE 19801

Relative: Lower

Actual: 6 ft.

SHWS:

Name:	PUSEY AND JONES SHIPYARD
Address:	FRONT STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056103
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	26898
Prog ID:	DE-1051
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	188907.82
YCoordinate NAD83 Meters:	192700.5
Latitude Dec:	39.734722
Longitude Dec:	-75.545829
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.9992
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	44.9844
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River

PUSEY AND JONES SHIPYARD (Continued) **S102021085**

DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Y112 **PURE GREEN INDUSTRIES INC.** **DE SHWS** **S105588898**
North **1620 BOWERS STREET** **DE INST CONTROL** **N/A**
1/2-1 **WILMINGTON, DE 19802** **DE VCP**
0.900 mi.
4752 ft. **Site 1 of 2 in cluster Y**

Relative:
Lower

Actual:
12 ft.

SHWS:

Name:	ATLAS SANITATION
Address:	1600 BOWERS STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10051442
Site Type:	Other
Care Of:	Not reported
PI ID:	26923
Prog ID:	DE-0280
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190497.19
YCoordinate NAD83 Meters:	193440.35
Latitude Dec:	39.742222
Longitude Dec:	-75.527774
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	31.9992
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	39.9864
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported

PURE GREEN INDUSTRIES INC. (Continued) **S105588898**

Mod Grid: Not reported

Name: ATLAS SANITATION
Address: 1600 BOWERS STREET
City,State,Zip: WILMINGTON, DE 19802
Facility ID: 10051442
Site Type: Other
Care Of: Not reported
PI ID: 26923
Prog ID: DE-0280
Additional Info: State Funded Brownfield
Reference Pt: Unknown
Horizontal Method: Unknown
Loc Type: P
XCoordinate NAD83 Meters: 190497.19
YCoordinate NAD83 Meters: 193440.35
Latitude Dec: 39.742222
Longitude Dec: -75.527774
Latitude Degrees: 39
Latitude Minutes: 44
Latitude Seconds: 31.9992
Longitude Degrees: -75
Longitude Minutes: 31
Longitude Seconds: 39.9864
PO Name: Wilmington
Tax ID: Not reported
Sewer District: Unknown
Floodplain Zone Code: Not reported
Flood Plain Zone: Not reported
Basin: Piedmont
Watershed: Brandywine Creek
DRBC_Basin: Y
Quad: WILMINGTON SOUTH
Senate District: 2
Senator: Senator Darius J. Brown
House District: 2
Representative: Representative Stephanie T Bolden
School District: Lake Forest
GMZ Name: City of Wilmingtion - 1 Zone
AG Pres District: Not reported
Water District: Not reported
Mod Grid: Not reported

Inst Control:
Name: PURE GREEN INDUSTRIES INC.
Address: 1620 BOWERS STREET
City,State,Zip: WILMINGTON, DE 19802
Facility ID: DE-1054
Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: Not reported
Restrictions: Groundwater use to be restricted

VCP:
Name: PURE GREEN INDUSTRIES INC.
Address: 1620 BOWERS STREET

PURE GREEN INDUSTRIES INC. (Continued) **S105588898**

City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10356604
Program ID:	DE-1054
Site Type:	Landfill-Municipal/Industrial
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
X Coordinate Nad83 Meters:	190507.4
Y Coordinate Nad83 Meters:	193545.07
Latitude Dec:	39.7438890
Longitude Dec:	-75.528051
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	38.0003999
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	40.9836000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	WILMINGTON ASPHALT PLANT
Address:	1620 BOWERS STREET
City,State,Zip:	WILMINGTON, DE
Facility ID:	10356604
Program ID:	DE-1448
Site Type:	Other
Care Of:	Not reported
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
X Coordinate Nad83 Meters:	190524.8
Y Coordinate Nad83 Meters:	193562.07
Latitude Dec:	39.7435860
Longitude Dec:	-75.527123
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	36.9095999
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	37.6428000

PURE GREEN INDUSTRIES INC. (Continued) **S105588898**

PO Name:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Y
Quad:	Not reported
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	114-356-2

Y113 **PURE GREEN INDUSTRIES** **DE SHWS** **S109093517**
North **1620 BOWERS STREET** **DE ENF** **N/A**
1/2-1 **WILMINGTON, DE 19802**
0.900 mi.
4752 ft. **Site 2 of 2 in cluster Y**

Relative: **Lower**

Actual: **12 ft.**

SHWS:

Name:	1620/1630 BOWERS STREET
Address:	1620 BOWERS STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10280270
Site Type:	Animal Production
Care Of:	Not reported
PI ID:	353182
Prog ID:	DE-1441
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190546.56
YCoordinate NAD83 Meters:	193580.78
Latitude Dec:	39.742637
Longitude Dec:	-75.527086
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	33.4932
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	37.5096
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2

PURE GREEN INDUSTRIES (Continued) **S109093517**

Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	114-356-2

ENFORCEMENT:

Name:	PURE GREEN INDUSTRIES
Address:	1620 BOWERS STREET
Address 2:	9 Bellecor Drive
City,State,Zip:	WILMINGTON, DE 19802
Business:	hot mix asphalt batch plant
Program:	Air Quality
Violator City:	New Castle
Violator State:	DE
Violator Zip:	Not reported
Date of Violation:	04/14/2016
Date Served:	08/01/2016
Date Discovered:	04/14/2016
Date Corrected:	Not reported
V Corrected:	No
Account Number:	2016-12124
Contact:	Foster, Paul Edward
Phone:	Not reported
Description:	excess particulate emissions
Nature:	Stack testing on 4/14/16 showed excess particulate emissions. ---- On and after the date on which the performance test required to be conducted by ?60.8 is completed, no owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any affected facility any gases which: Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf). ---- The Company shall not discharge into the atmosphere any gas containing particulate matter in excess of 0.04 grains per dry standard cubic foot. ---- Particulate Matter emissions from the asphalt plant shall not exceed 0.44 pounds per hour and 0.44 tons per year and those specified in 7 DE Admin. Code 1100.
Env Issues Comments:	Yes

Name:	PURE GREEN INDUSTRIES
Address:	1620 BOWERS STREET
Address 2:	9 Bellecor Drive
City,State,Zip:	WILMINGTON, DE 19802
Business:	hot mix asphalt batch plant
Program:	Air Quality
Violator City:	New Castle
Violator State:	DE
Violator Zip:	Not reported
Date of Violation:	06/04/2015
Date Served:	12/09/2015
Date Discovered:	06/04/2015
Date Corrected:	Not reported
V Corrected:	No
Account Number:	2015-12072

PURE GREEN INDUSTRIES (Continued) **S109093517**

Contact:	Foster, Paul Edward
Phone:	Not reported
Description:	Not reported
Nature:	Company failed to keep records of pressure drops. ---- The Company shall maintain a maintenance/inspection log for the baghouse and associated monitoring equipment detailing all routine and non-routine maintenance performed, including dates and duration of any outages and regular records of inspections for leaks, differential pressure gauge readings and filter bag inspections.
Env Issues Comments:	Unknown
Name:	PURE GREEN INDUSTRIES
Address:	1620 BOWERS STREET
Address 2:	9 Bellecor Drive
City,State,Zip:	WILMINGTON, DE 19802
Business:	hot mix asphalt batch plant
Program:	Air Quality
Violator City:	New Castle
Violator State:	DE
Violator Zip:	Not reported
Date of Violation:	04/14/2016
Date Served:	08/01/2016
Date Discovered:	04/14/2016
Date Corrected:	Not reported
V Corrected:	No
Account Number:	2016-12124
Contact:	Foster, Paul Edward
Phone:	Not reported
Description:	excess particulate emissions
Nature:	Stack testing on 4/14/16 showed excess particulate emissions. ---- On and after the date on which the performance test required to be conducted by 60.8 is completed, no owner or operator subject to the provisions of this subpart shall discharge or cause
Env Issues Comments:	Not reported
Name:	PURE GREEN INDUSTRIES
Address:	1620 BOWERS STREET
Address 2:	9 Bellecor Drive
City,State,Zip:	WILMINGTON, DE 19802
Business:	hot mix asphalt batch plant
Program:	Air Quality
Violator City:	New Castle
Violator State:	DE
Violator Zip:	Not reported
Date of Violation:	06/04/2015
Date Served:	12/09/2015
Date Discovered:	06/04/2015
Date Corrected:	Not reported
V Corrected:	No
Account Number:	2015-12072
Contact:	Foster, Paul Edward
Phone:	Not reported
Description:	Not reported
Nature:	Company failed to keep records of pressure drops. ---- The Company shall maintain a maintenance/inspection log for the baghouse and

PURE GREEN INDUSTRIES (Continued) **S109093517**

associated monitoring equipment detailing all routine and non-routine maintenance performed, including dates and duration o

Env Issues Comments: Not reported

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114 WNW 1/2-1 0.909 mi. 4801 ft. **WILMINGTON SOCCER FIELDS**
615 S. CHURCH STREET
WILMINGTON, DE 19801

DE SHWS **S105461959**
DE NPDES **N/A**

Relative: Lower
Actual: 5 ft.

SHWS:

Name:	ESTATE OF WILLIAM C WARD
Address:	615 SOUTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056514
Site Type:	Other
Care Of:	Not reported
PI ID:	27309
Prog ID:	DE-1272
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	188709.34
YCoordinate NAD83 Meters:	191881.54
Latitude Dec:	39.728597
Longitude Dec:	-75.549024
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	42.9492
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	56.4864
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	ESTATE OF WILLIAM C WARD
Address:	615 SOUTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056514
Site Type:	Other

WILMINGTON SOCCER FIELDS (Continued) **S105461959**

Care Of:	Not reported
PI ID:	27309
Prog ID:	DE-1272
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	188709.34
YCoordinate NAD83 Meters:	191881.54
Latitude Dec:	39.728597
Longitude Dec:	-75.549024
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	42.9492
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	56.4864
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

NPDES:

Name:	WILMINGTON SOCCER FIELDS
Address:	615 S. CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10766036
PI Id:	617649
PI Name:	WILMINGTON SOCCER FIELDS
Prog Id:	2021-007
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate Nad83 meters:	188617.53
YCoordinate Nad83 meters:	191733.52
Latitude Dec:	39.727061
Longitude Dec:	-75.549434
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	37.4196
Longitude Degrees:	-75

WILMINGTON SOCCER FIELDS (Continued) **S105461959**

Longitude Minutes:	32
Longitude Seconds:	57.9624
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	26-057.00-028
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	WILMINGTON SOCCER FIELDS
Address:	615 S. CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10766036
PI Id:	617650
PI Name:	WILMINGTON SOCCER FIELDS
Prog Id:	2021-007
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate Nad83 meters:	188617.53
YCoordinate Nad83 meters:	191733.52
Latitude Dec:	39.727061
Longitude Dec:	-75.549434
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	37.4196
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	57.9624
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	26-057.00-028
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported

WILMINGTON SOCCER FIELDS (Continued) **S105461959**

Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

X115 **ROGERS & HEALD** **DE SHWS** **S109552253**
NNW **1161 SOUTH HEALD STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.911 mi.
4811 ft. **Site 2 of 2 in cluster X**

Relative: **Lower**

Actual: **13 ft.**

SHWS:

Name:	ROGERS & HEALD
Address:	1161 SOUTH HEALD STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	Not reported
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	Not reported
Prog ID:	DE-1467
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate NAD83 Meters:	Not reported
YCoordinate NAD83 Meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
PO Name:	Not reported
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC_Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported

ROGERS & HEALD (Continued) **S109552253**

Water District: Not reported
Mod Grid: Not reported

116
SW
1/2-1
0.941 mi.
4967 ft.

Relative:
Lower

Actual:
19 ft.

SERVICE TRANSPORT GROUP **DE SHWS** **S105227387**
58 PYLES LANE **DE SWF/LF** **N/A**
NEW CASTLE, DE 19720 **DE LUST**
DE AST
DE AIRS
DE ENF
DE Financial Assurance

SHWS:

Name:	WILMINGTON CHEMICAL
Address:	58 PYLES LANE
City,State,Zip:	NEW CASTLE, DE 19720
Facility ID:	10052489
Site Type:	Other
Care Of:	Not reported
PI ID:	26900
Prog ID:	DE-1058
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189290.9
YCoordinate NAD83 Meters:	190196.31
Latitude Dec:	39.714167
Longitude Dec:	-75.54194
Latitude Degrees:	39
Latitude Minutes:	42
Latitude Seconds:	51.0012
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	30.984
PO Name:	New Castle
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

SWF/LF:

Name:	SERVICE TRANSPORT GROUP WASTE TRANSFER STATION NEW CASTLE
Address:	58 PYLES LANE
City,State,Zip:	NEW CASTLE, DE 19720

SERVICE TRANSPORT GROUP (Continued) **S105227387**

Facility Id:	10435230
PI Id:	26544
PI Name:	SERVICE TRANSPORT GROUP WASTE TRANSFER STATION NEW CASTLE
Prog Id:	TS-0017
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

LUST:

Name:	WILMINGTON CHEMICAL CO.
Address:	58 PYLES LANE
City,State,Zip:	NEW CASTLE, DE 19720
Facility ID:	10052489
Status:	Inactive
Date Closed:	**02/02/1996**
Project Number:	N9104073
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.71298
Longitude:	-75.5421
Country Abv:	US
PI ID:	21243
Prog ID:	3-000823

SERVICE TRANSPORT GROUP (Continued) **S105227387**

Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	New Castle
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

AST:

Name:	SERVICE TRANSPORT
Address:	58 PYLES LANE
City,State,Zip:	NEW CASTLE, DE 19720
Facility Id:	10729936
PI Id:	565025
Prog Id:	7-000686
Additional Info:	Not reported
Country Abv:	US
Careof:	Not reported
Loc Type:	P
County:	NEW CASTLE
Town:	Not reported
PO Name:	New Castle
Tax Id:	Not reported
Sewer District:	Not reported
DRBC Basin:	Not reported
Quad:	WILMINGTON SOUTH
Watershed:	Christina River
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Water District:	Not reported
MOD Grid:	108-350
Latitude:	39.714956
Longitude:	-75.542716
Latitude Degrees:	39
Latitude Minutes:	42
Latitude Seconds:	53.8416
Longitude Degrees:	-75
Longitude Minutes:	32

SERVICE TRANSPORT GROUP (Continued) **S105227387**

Longitude Seconds:	33.7776
Reference Point:	Facility/Interest Center
Horizontal Method:	Satellite Photo Interpolation-Other
XCoord:	189191.6
Horizontal Method:	Satellite Photo Interpolation-Other

AIRS:

Name:	WILMINGTON CHEMICAL CO. (CLOSED)
Address:	58 PYLES LANE
City,State,Zip:	NEW CASTLE, DE 19720
Facility Id:	10052489
X Coordinate:	189242.010
Y Coordinate:	190242.420
Reference Point:	Unknown
Horizontal Method:	Client Supplied-Method Unknown
Latitude:	39.713639
Longitude:	-75.542121
Watershed:	Christina River
Basin:	Piedmont
State House District:	16
Representative:	Representative Franklin D. Cooke
State Senate District:	2
Senator:	Senator Darius J. Brown
School District:	Lake Forest
Quad:	WILMINGTON SOUTH
State Abbreviation:	Not reported
Town:	Not reported
PI ID:	991
Prog ID:	1000300026
Additional Info:	Not reported
CareOf:	Not reported
ReferencePt:	Unknown
HorizontalMethod:	Client Supplied-Method Unknown
LocType:	P
LatitudeDec:	39.713639
LongitudeDec:	-75.542121
LatitudeDegrees:	39
LatitudeMinutes:	42
LatitudeSeconds:	49.1004
LongitudeDegrees:	-75
LongitudeMinutes:	32
LongitudeSeconds:	31.6356
County:	NEW CASTLE
State:	Not reported
Town:	Not reported
PO Name:	New Castle
ZIP5:	19720
TaxID:	Not reported
SewerDistrict:	Unknown
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
SenateDistrict:	2
Senator:	Senator Darius J. Brown

SERVICE TRANSPORT GROUP (Continued) **S105227387**

House District: 16
Representative: Representative Franklin D. Cooke
School District: Lake Forest
GMZ Name: Halby Chemical - Zone B
Ag Pres District: Not reported
Water District: Not reported
Mod Grid: Not reported

ENFORCEMENT:
Name: SERVICE TRANSPORT GROUP, INC.
Address: 58 PYLES LANE
Address 2: 58 Pyles Lane
City,State,Zip: DE
Business: solid waste (asbestos) transfer station
Program: Solid & Hazardous Waste
Violator City: Not reported
Violator State: Not reported
Violator Zip: Not reported
Date of Violation: 06/02/2011
Date Served: 07/11/2011
Date Discovered: 06/14/2011
Date Corrected: 06/10/2011
V Corrected: Yes
Account Number: 2011-11480
Contact: Perrego, David P
Phone: Not reported
Description: Not reported
Nature: Violation of solid waste permit SW-07/04, condition II.D Storage. ---- Storage: STG shall not store asbestos waste on the site for more than 35 days. All asbestos waste delivered to the site shall be transported off-site for proper disposal within 35 days of delivery to the site. Each trailer and container holding asbestos waste shall be kept locked except during active waste transfer operations involving that container.

Env Issues Comments: No

Name: SERVICE TRANSPORT GROUP, INC.
Address: 58 PYLES LANE
Address 2: 58 Pyles Lane
City,State,Zip: NEW CASTLE, DE 19720
Business: solid waste (asbestos) transfer station
Program: Solid & Hazardous Waste
Violator City: New Castle
Violator State: DE
Violator Zip: Not reported
Date of Violation: 06/02/2011
Date Served: 07/11/2011
Date Discovered: 06/14/2011
Date Corrected: 06/10/2011
V Corrected: Yes
Account Number: 2011-11480
Contact: Perrego, David P
Phone: Not reported
Description: Not reported
Nature: Violation of solid waste permit SW-07/04, condition II.D Storage. ---- Storage: STG shall not store asbestos waste on the site for more

SERVICE TRANSPORT GROUP (Continued) **S105227387**

than 35 days. All asbestos waste delivered to the site shall be transported off-site for proper disposal within 35 da

Env Issues Comments: Not reported

Name: SERVICE TRANSPORT GROUP
Address: 58 PYLES LANE
Address 2: Not reported
City,State,Zip: NEW CASTLE, DE 19720
Business: solid waste (asbestos) transfer station
Program: Solid & Hazardous Waste
Violator City: Not reported
Violator State: Not reported
Violator Zip: Not reported
Date of Violation: 11/16/2004
Date Served: 12/03/2004
Date Discovered: 11/16/2004
Date Corrected: 12/30/2004
V Corrected: Yes
Account Number: 2004-10503
Contact: Hartman, Robert
Phone: (302)739-9403
Description: Not reported
Nature: STG failed to conduct the quality control evaluation air sampling in accordance with the conditions of the permit. Permit requires annual quality control air sampling for asbestos

Env Issues Comments: Not reported

Name: STG
Address: 58 PYLES LANE
Address 2: Not reported
City,State,Zip: NEW CASTLE, DE 19720
Business: Service Transport Group Waste Transfer Station New
Program: Solid & Hazardous Waste
Violator City: New Castle
Violator State: DE
Violator Zip: Not reported
Date of Violation: 02/23/2004
Date Served: 02/25/2004
Date Discovered: 02/04/2004
Date Corrected: Not reported
V Corrected: No
Account Number: 2004-10215
Contact: Hartman, Robert
Phone: (302)739-9403
Description: Not reported
Nature: During the review of the Annual Report, STG was found to be in violation of permit condition II.J. for failing to conduct the quality control evaluation air sampling as required by the permit.

Env Issues Comments: Not reported

Name: SERVICE TRANSPORT GROUP
Address: 58 PYLES LANE
Address 2: Not reported
City,State,Zip: NEW CASTLE, DE 19720

SERVICE TRANSPORT GROUP (Continued) **S105227387**

Business:	Service Transport Group Waste Transfer Station New
Program:	Solid & Hazardous Waste
Violator City:	Not reported
Violator State:	DE
Violator Zip:	Not reported
Date of Violation:	04/16/2003
Date Served:	06/26/2003
Date Discovered:	04/16/2003
Date Corrected:	07/28/2003
V Corrected:	Yes
Account Number:	2003-10047
Contact:	Hartman, Robert
Phone:	(302)739-9403
Description:	Not reported
Nature:	Failure to maintain records showing that personnel had been provided required training.
Env Issues Comments:	Not reported

DE Financial Assurance 1:

Type of Mechanism:	Letter of Credit #376
Amount of Coverage:	$92,250

117
WSW
1/2-1
0.941 mi.
4969 ft.

0 MILLER RD. REFERRAL
0 MILLER ROAD
NEW CASTLE, DE 19720

DE SHWS **S108086464**
DE INST CONTROL **N/A**
DE BROWNFIELDS
DE NPDES

Relative:
Lower

Actual:
20 ft.

SHWS:

Name:	0 MILLER ROAD
Address:	107 CENTER STREET
City,State,Zip:	NEW CASTLE, DE 19720
Facility ID:	10149771
Site Type:	Other
Care Of:	Not reported
PI ID:	215495
Prog ID:	DE-1394
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189128.11
YCoordinate NAD83 Meters:	190421.64
Latitude Dec:	39.715304
Longitude Dec:	-75.543424
Latitude Degrees:	39
Latitude Minutes:	42
Latitude Seconds:	55.0944
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	36.3264
PO Name:	New Castle
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported

0 MILLER RD. REFERRAL (Continued) **S108086464**

Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-350

Inst Control:

Name:	0 MILLER ROAD
Address:	107 CENTER STREET
City,State,Zip:	NEW CASTLE, DE 19720
Facility ID:	DE-1394
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	12/02/2008
Restrictions:	No land disturbing activity without prior written approval from DNREC, limitation of groundwater withdrawal without prior written approval from DNREC, and compliance with Redevelopment O&M Plan.

DE BROWNFIELD:

Name:	0 MILLER ROAD PROPERTY
Address:	0 MILLER ROAD
City,State,Zip:	NEW CASTLE, DE 19720
edr_fcity:	NEW CASTLE
Facility ID:	DE-1394
Certification Date:	8.02.06
Acreage:	2.3+/-

NPDES:

Name:	0 MILLER RD. REFERRAL
Address:	0 MILLER ROAD
City,State,Zip:	NEW CASTLE, DE 19720
Facility Id:	10149771
PI Id:	446709
PI Name:	0 MILLER RD. REFERRAL
Prog Id:	2007-053
Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate Nad83 meters:	Not reported
YCoordinate Nad83 meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported

0 MILLER RD. REFERRAL (Continued) **S108086464**

Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Z118 **FORMER DELMAR NEWS** **DE SHWS** **S118100062**
NW **809 TAYLOR STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.945 mi.
4989 ft. **Site 1 of 3 in cluster Z**

Relative: **Lower**
Actual: **24 ft.**

SHWS:

Name:	FORMER DELMAR NEWS
Address:	809 TAYLOR STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10727171
Site Type:	Other
Care Of:	Not reported
PI ID:	560767
Prog ID:	DE-1615
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189468.92
YCoordinate NAD83 Meters:	193221.74
Latitude Dec:	39.740504
Longitude Dec:	-75.539491
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	25.8144
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	22.1676
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X

FORMER DELMAR NEWS (Continued) **S118100062**

Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-356

119
NNW
1/2-1
0.946 mi.
4993 ft.

1000 EAST 12TH STREET
1000 EAST 12TH STREET
WILMINGTON, DE 19802

DE SHWS **S108356631**
DE BROWNFIELDS **N/A**

Relative:
Lower

Actual:
12 ft.

SHWS:

Name:	1000 EAST 12TH STREET
Address:	1000 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility ID:	10151278
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	216940
Prog ID:	DE-1404
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189822.37
YCoordinate NAD83 Meters:	193425.79
Latitude Dec:	39.74236
Longitude Dec:	-75.535423
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	32.496
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	7.5228
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River

1000 EAST 12TH STREET (Continued) **S108356631**

GMZ Name: City of Wilmington - 1 Zone
AG Pres District: Not reported
Water District: Not reported
Mod Grid: 112-358

DE BROWNFIELD:
Name: 1000 EAST 12TH STREET PROPERTY
Address: 1000 EAST 12TH STREET
City,State,Zip: WILMINGTON, DE 19801
edr_fcity: WILMINGTON
Facility ID: DE-1404
Certification Date: 1.5.07
Acreage: 6.77+/-

AA120 **WIL-SOUTH WILMINGTON - NEW BUILD (ID:21047395)** **DE SHWS** **S109485006**
West **801 GARASCHES LANE** **DE TIER 2** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.946 mi.
4996 ft. **Site 1 of 2 in cluster AA**

Relative: **Lower**
Actual: **9 ft.**

SHWS:
Name: WILMINGTON INCINERATOR
Address: 801 GARASCHES LANE
City,State,Zip: WILMINGTON, DE 19801
Facility ID: 10056522
Site Type: Other
Care Of: Not reported
PI ID: 27317
Prog ID: DE-1273
Additional Info: HSCA
Reference Pt: Unknown
Horizontal Method: Unknown
Loc Type: P
XCoordinate NAD83 Meters: 188643.76
YCoordinate NAD83 Meters: 191679.73
Latitude Dec: 39.726538
Longitude Dec: -75.549121
Latitude Degrees: 39
Latitude Minutes: 43
Latitude Seconds: 35.5368
Longitude Degrees: -75
Longitude Minutes: 32
Longitude Seconds: 56.8356
PO Name: Wilmington
Tax ID: Not reported
Sewer District: Unknown
Floodplain Zone Code: Not reported
Flood Plain Zone: Not reported
Basin: Piedmont
Watershed: Christina River
DRBC_Basin: Y
Quad: WILMINGTON SOUTH
Senate District: 2
Senator: Senator Darius J. Brown
House District: 16
Representative: Representative Franklin D. Cooke
School District: Indian River

WIL-SOUTH WILMINGTON - NEW BUILD (ID:21047395) (Continued) **S109485006**

GMZ Name:	City of Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	WILMINGTON INCINERATOR
Address:	801 GARASCHES LANE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056522
Site Type:	Other
Care Of:	Not reported
PI ID:	27317
Prog ID:	DE-1273
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	188643.76
YCoordinate NAD83 Meters:	191679.73
Latitude Dec:	39.726538
Longitude Dec:	-75.549121
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	35.5368
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	56.8356
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

TIER 2:

Name:	WIL-SOUTH WILMINGTON - NEW BUILD (ID:21047395)
Address:	801 GARASCHES LANE
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	2487
Tier II Report Yr:	2014
Facility Corporate Name:	Verizon Wireless
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	Not reported
Facility Status:	ACTIVE

WIL-SOUTH WILMINGTON - NEW BUILD (ID:21047395) (Continued) **S109485006**

Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2014
Owner Operator Name: VERIZON WIRELESS / RICHARD A. CRAIG
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Year: 2014
Owner Operator Name: JEFFREY R. MCCOOK / VERIZON WIRELESS
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 9086266230
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Year: 2014
Owner Operator Name: JEFFREY R. MCCOOK / VERIZON WIRELESS
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2014
Facility Corporate Name: Verizon Wireless
EHS Year: Not reported
CAS Number: Not reported
Chemical: Electrolyte
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

WIL-SOUTH WILMINGTON - NEW BUILD (ID:21047395) (Continued) **S109485006**

Detail:

Tier II Report Year:	2014
Owner Operator Name:	VERIZON WIRELESS / RICHARD A. CRAIG
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Year:	2014
Owner Operator Name:	JEFFREY R. MCCOOK / VERIZON WIRELESS
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	9086266230
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Year:	2014
Owner Operator Name:	JEFFREY R. MCCOOK / VERIZON WIRELESS
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2014
Facility Corporate Name:	Verizon Wireless
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	Electrolyte
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2014
Owner Operator Name:	VERIZON WIRELESS / RICHARD A. CRAIG

WIL-SOUTH WILMINGTON - NEW BUILD (ID:21047395) (Continued) **S109485006**

Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Year:	2014
Owner Operator Name:	JEFFREY R. MCCOOK / VERIZON WIRELESS
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	9086266230
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Year:	2014
Owner Operator Name:	JEFFREY R. MCCOOK / VERIZON WIRELESS
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2014
Facility Corporate Name:	Verizon Wireless
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	Not reported
Facility Status:	ACTIVE
Is EHS:	Not reported
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2014
Owner Operator Name:	VERIZON WIRELESS / RICHARD A. CRAIG
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported

WIL-SOUTH WILMINGTON - NEW BUILD (ID:21047395) (Continued) **S109485006**

Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Year:	2014
Owner Operator Name:	JEFFREY R. MCCOOK / VERIZON WIRELESS
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	9086266230
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Year:	2014
Owner Operator Name:	JEFFREY R. MCCOOK / VERIZON WIRELESS
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	Not reported
Compliance Contact Company:	Not reported
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	Not reported

Tier II Report Yr:	2016
Facility Corporate Name:	Verizon Wireless
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	Lead Acid Batteries
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

AB121 **600 A STREET PROPERTY** **DE SHWS** **S108356629**
WNW **600 A STREET** **DE LUST** **N/A**
1/2-1 **WILMINGTON, DE 19801** **DE INST CONTROL**
0.947 mi. **DE BROWNFIELDS**
5000 ft. **Site 1 of 2 in cluster AB**

Relative: SHWS:
Lower

Name:	600 A STREET
Address:	600 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10063794

Actual:
5 ft.

600 A STREET PROPERTY (Continued) **S108356629**

Site Type:	Private Office Building
Care Of:	Not reported
PI ID:	129414
Prog ID:	DE-1383
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188672.82
YCoordinate NAD83 Meters:	192264.73
Latitude Dec:	39.731853
Longitude Dec:	-75.548808
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	54.6708
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	55.7088
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

Name:	600 A STREET
Address:	600 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10063794
Site Type:	Private Office Building
Care Of:	Not reported
PI ID:	129414
Prog ID:	DE-1383
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188672.82
YCoordinate NAD83 Meters:	192264.73
Latitude Dec:	39.731853
Longitude Dec:	-75.548808
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	54.6708
Longitude Degrees:	-75

600 A STREET PROPERTY (Continued) **S108356629**

Longitude Minutes:	32
Longitude Seconds:	55.7088
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

LUST:

Name:	D AND J AUTO SERVICE
Address:	600 A STREET
City,State,Zip:	WILMINGTON, DE 198015330
Facility ID:	10151902
Status:	Inactive
Date Closed:	**08/18/1994**
Project Number:	N9408202
Watershed:	Christina River
Basin:	Piedmont
Latitude:	39.73226
Longitude:	-75.5485
Country Abv:	US
PI ID:	18313
Prog ID:	3-001427
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

600 A STREET PROPERTY (Continued) **S108356629**

Inst Control:
Name: 600 A STREET
Address: 600 A STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1383
Report Title: Deed Restriction Sites
Site Type: HSCA
Deed Restriction Date: 07/02/2007
Restrictions: Not reported

Name: 600 A STREET
Address: 600 A STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1383
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 07/02/2007
Restrictions: Not reported

DE BROWNFIELD:
Name: 600 A STREET PROPERTY
Address: 600 A STREET
City,State,Zip: WILMINGTON, DE 19801
edr_fcity: WILMINGTON
Facility ID: DE-1383
Certification Date: 12.12.06
Acreage: 2.0+/-

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122 SSW 1/2-1 0.955 mi. 5040 ft. **CHRISTINA AVENUE SOUTH** **DE SHWS** **S102509215**
OFF ROUTE 9 **N/A**
WILMINGTON, DE 19720

Relative: Lower
Actual: 9 ft.

SHWS:
Name: CHRISTINA AVENUE SOUTH
Address: OFF ROUTE 9
City,State,Zip: WILMINGTON, DE 19720
Facility ID: 10056586
Site Type: Not reported
Care Of: Not reported
PI ID: 27381
Prog ID: DE-1079
Additional Info: Pre Remedial (PA/SI)
Reference Pt: Facility/Interest Center
Horizontal Method: Photo Interpolation-2012 Orthophoto
Loc Type: P
XCoordinate NAD83 Meters: 189964.87
YCoordinate NAD83 Meters: 189607.97
Latitude Dec: 39.709441
Longitude Dec: -75.535741
Latitude Degrees: 39
Latitude Minutes: 42
Latitude Seconds: 33.9876
Longitude Degrees: -75
Longitude Minutes: 32
Longitude Seconds: 8.6676

CHRISTINA AVENUE SOUTH (Continued) **S102509215**

PO Name:	New Castle
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-350

123
NNE
1/2-1
0.968 mi.
5113 ft.

SALVAGE YARD RELOCATION AREA I **DE SHWS** **S109484976**
N/A

WILMINGTON, DE 19801

Relative:
Lower

Actual:
7 ft.

SHWS:

Name:	SALVAGE YARD RELOCATION AREA I
Address:	Not reported
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056500
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27295
Prog ID:	DE-1165
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	191669.97
YCoordinate NAD83 Meters:	193265.16
Latitude Dec:	39.740697
Longitude Dec:	-75.514985
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	26.5092
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	53.946
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2

SALVAGE YARD RELOCATION AREA I (Continued) **S109484976**

Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Name:	SALVAGE YARD RELOCATION AREA I
Address:	Not reported
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056500
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27295
Prog ID:	DE-1165
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	191669.97
YCoordinate NAD83 Meters:	193265.16
Latitude Dec:	39.740697
Longitude Dec:	-75.514985
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	26.5092
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	53.946
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

124
WNW
1/2-1
0.972 mi.
5132 ft.

SOUTH WILMINGTON MARSH: AREA 2
GARACHES LANE, WALNUT STREET, BUTTONWOOD STREET
WILMINGTON, DE 19801

DE SHWS
DE INST CONTROL

S106706602
N/A

Relative:
Lower

Actual:
4 ft.

SHWS:

Name:	SOUTH WILMINGTON MARSH: AREA 2
Address:	GARACHES LANE, WALNUT STREET, BUTTONWOOD STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	Not reported
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	Not reported
Prog ID:	DE-1337
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Not reported
Horizontal Method:	Not reported
Loc Type:	Not reported
XCoordinate NAD83 Meters:	Not reported
YCoordinate NAD83 Meters:	Not reported
Latitude Dec:	Not reported
Longitude Dec:	Not reported
Latitude Degrees:	Not reported
Latitude Minutes:	Not reported
Latitude Seconds:	Not reported
Longitude Degrees:	Not reported
Longitude Minutes:	Not reported
Longitude Seconds:	Not reported
PO Name:	Not reported
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC_Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Name:	SOUTH WILMINGTON MARSH: AREA 2
Address:	GARACHES LANE, WALNUT STREET, BUTTONWOOD STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1337
Report Title:	Deed Restriction Sites
Site Type:	Pre Remedial (PA/SI)
Deed Restriction Date:	07/02/2007

Restrictions: Not reported

Z125 **829 NORTH CHURCH STREET** **DE SHWS** **S109171567**
NW **829 NORTH CHURCH STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.975 mi.
5148 ft. **Site 2 of 3 in cluster Z**

Relative:
Higher

Actual:
26 ft.

SHWS:

Name:	829 NORTH CHURCH STREET
Address:	829 NORTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10355357
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	433073
Prog ID:	DE-1446
Additional Info:	HSCA
Reference Pt:	Facility Entance(General)
Horizontal Method:	Address Matching-House Number
Loc Type:	P
XCoordinate NAD83 Meters:	189384.85
YCoordinate NAD83 Meters:	193224.15
Latitude Dec:	39.740496
Longitude Dec:	-75.540508
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	25.7856
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	25.8288
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-356

Name:	829 NORTH CHURCH STREET
Address:	829 NORTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10355357
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	433073
Prog ID:	DE-1446
Additional Info:	State Funded Brownfield
Reference Pt:	Facility Entance(General)
Horizontal Method:	Address Matching-House Number

829 NORTH CHURCH STREET (Continued) **S109171567**

Loc Type:	P
XCoordinate NAD83 Meters:	189384.85
YCoordinate NAD83 Meters:	193224.15
Latitude Dec:	39.740496
Longitude Dec:	-75.540508
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	25.7856
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	25.8288
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-356

126
WNW
1/2-1
0.976 mi.
5155 ft.

501 EAST FRONT STREET SITE
501 EAST FRONT STREET
WILMINGTON, DE 19801

DE SHWS **S123437553**
DE BROWNFIELDS **N/A**

Relative:
Lower

Actual:
9 ft.

SHWS:

Name:	501 EAST FRONT STREET
Address:	501 EAST FRONT STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10750321
Site Type:	Other
Care Of:	Not reported
PI ID:	594652
Prog ID:	DE-1693
Additional Info:	Certified Brownfield Site
Reference Pt:	Facility Entance(General)
Horizontal Method:	Photo Interpolation-Non-orthopohoto
Loc Type:	P
XCoordinate NAD83 Meters:	188860.58
YCoordinate NAD83 Meters:	192695.14
Latitude Dec:	-75.546731
Longitude Dec:	39.735555
Latitude Degrees:	-76
Latitude Minutes:	27
Latitude Seconds:	11.7684
Longitude Degrees:	40
Longitude Minutes:	15

501 EAST FRONT STREET SITE (Continued) **S123437553**

Longitude Seconds:	52.002
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-356

DE BROWNFIELD:

Name:	501 EAST FRONT STREET SITE
Address:	501 EAST FRONT STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1693
Certification Date:	12.7.2018
Acreage:	0.62+/-

AA127 **FIBRE PROCESSING** **SEMS-ARCHIVE** **1003864620**
West **GARACHES LN & S CHURCH ST** **DE SHWS** **DED069009884**
1/2-1 **WILMINGTON, DE 19801** **DE INST CONTROL**
0.977 mi.
5161 ft. **Site 2 of 2 in cluster AA**

Relative:
Lower

Actual:
9 ft.

SEMS Archive:

Site ID:	0300073
EPA ID:	DED069009884
Name:	FIBRE PROCESSING
Address:	GARACHES LN & S CHURCH ST
Address 2:	Not reported
City,State,Zip:	WILMINGTON, DE 19801
Cong District:	01
FIPS Code:	10003
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	03
Site ID:	0300073
EPA ID:	DED069009884
Site Name:	FIBRE PROCESSING
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE

FIBRE PROCESSING (Continued) **1003864620**

SEQ:	1
Start Date:	Not reported
Finish Date:	1984-10-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	03
Site ID:	0300073
EPA ID:	DED069009884
Site Name:	FIBRE PROCESSING
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1980-05-01 04:00:00
Finish Date:	1980-05-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300073
EPA ID:	DED069009884
Site Name:	FIBRE PROCESSING
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1984-10-01 05:00:00
Finish Date:	1984-10-01 05:00:00
Qual:	N
Current Action Lead:	St Perf

SHWS:

Name:	FIBRE PROCESSING
Address:	GARACHES LANE & SOUTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10054499
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27384
Prog ID:	DE-0032
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188530.66
YCoordinate NAD83 Meters:	191702.62
Latitude Dec:	39.726596
Longitude Dec:	-75.550491
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	35.7456

FIBRE PROCESSING (Continued) **1003864620**

Longitude Degrees:	-75
Longitude Minutes:	33
Longitude Seconds:	1.7676
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X500
Flood Plain Zone:	Located outside 100-year floodplain, subject to flooding during the 500-year flood event.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

Inst Control:

Name:	FIBRE PROCESSING
Address:	GARACHES LANE & SOUTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-0032
Report Title:	Deed Restriction Sites
Site Type:	Pre Remedial (PA/SI)
Deed Restriction Date:	11/01/2006

Restrictions: Not reported

AB128 **510 A STREET** **DE SHWS S118585336**
WNW **510 A STREET** **DE INST CONTROL N/A**
1/2-1 **WILMINGTON, DE 19801**
0.978 mi.
5162 ft. **Site 2 of 2 in cluster AB**

Relative: **Lower**

Actual: **5 ft.**

SHWS:

Name:	510 A STREET
Address:	510 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10729418
Site Type:	Power Plant
Care Of:	Not reported
PI ID:	564208
Prog ID:	DE-1626
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188623.82
YCoordinate NAD83 Meters:	192291.48
Latitude Dec:	39.732107
Longitude Dec:	-75.549381
Latitude Degrees:	39
Latitude Minutes:	43

510 A STREET (Continued) **S118585336**

Latitude Seconds:	55.5852
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	57.7716
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

Inst Control:

Name:	510 A STREET
Address:	510 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1626
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	04/20/2017
Restrictions:	1) Commercial use, 2) No land disturbing activity without written approval from DNREC, 3) Limitation of Groundwater Withdrawal, 4) Compliance with LTS Plan, and 5) Compliance with CMMP.

129
WNW
1/2-1
0.985 mi.
5200 ft.

501 A STREET
501 A STREET
WILMINGTON, DE 19801

DE SHWS **S112204791**
DE INST CONTROL **N/A**
DE BROWNFIELDS
DE NPDES

Relative:
Lower

Actual:
4 ft.

SHWS:

Name:	501 A ST.
Address:	501 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10364725
Site Type:	Other Retail
Care Of:	Not reported
PI ID:	534367
Prog ID:	DE-1530
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188667.53
YCoordinate NAD83 Meters:	192408.84
Latitude Dec:	39.733142

501 A STREET (Continued) **S112204791**

Longitude Dec:	-75.548843
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	59.3112
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	55.8348
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-354

Inst Control:

Name:	501 A ST.
Address:	501 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1530
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	08/16/2013
Restrictions:	1) Commercial/Industrial Use only, 2) Prohibit land disturbing activity, 3) Comply with Long Term Sterwardship Plan, 4) Prohibit installation of well and groundwater withdrawal at the Site, and 5) Comply with Contaminated Materials Management Plan.

DE BROWNFIELD:

Name:	501 A STREET SITE
Address:	501 A STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1530
Certification Date:	10.23.2012
Acreage:	1.02+/-

NPDES:

Name:	501 A STREET
Address:	501 A STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility Id:	10364725
PI Id:	539595
PI Name:	501 A STREET
Prog Id:	2013-050

501 A STREET (Continued) **S112204791**

Additional Info:	Not reported
Careof:	Not reported
Reference Pt:	Facility/Interest Center
Horizontal Method:	Satellite Photo Interpolation-Other
Loc Type:	P
XCoordinate Nad83 meters:	188644.83
YCoordinate Nad83 meters:	192398.43
Latitude Dec:	39.73305
Longitude Dec:	-75.549127
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	58.98
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	56.8572
County:	Not reported
State:	Not reported
Town:	Not reported
Po Name:	Not reported
Zip5:	Not reported
Tax Id:	Not reported
Sewer District:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
Drbc Basin:	Not reported
Quad:	Not reported
Senate District:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Z130 **DUFFYS HOPE GARDEN** **DE SHWS** **S123437541**
NW **859 NORTH CHURCH STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.991 mi.
5231 ft. **Site 3 of 3 in cluster Z**

Relative: SHWS:
Lower

Actual:
23 ft.

Name:	DUFFYS HOPE GARDEN
Address:	859 NORTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10398826
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	492581
Prog ID:	DE-0353
Additional Info:	Federally Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2007 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189414.85

DUFFYS HOPE GARDEN (Continued) **S123437541**

YCoordinate NAD83 Meters:	193284.19
Latitude Dec:	39.740991
Longitude Dec:	-75.540188
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	27.5676
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	24.6768
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-356

Name:	DUFFYS HOPE GARDEN
Address:	859 NORTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10398826
Site Type:	Undeveloped Property
Care Of:	Not reported
PI ID:	492581
Prog ID:	DE-0353
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2007 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	189414.85
YCoordinate NAD83 Meters:	193284.19
Latitude Dec:	39.740991
Longitude Dec:	-75.540188
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	27.5676
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	24.6768
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Brandywine Creek

DUFFYS HOPE GARDEN (Continued) **S123437541**

DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	3
Senator:	Senator Elizabeth Lockman
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-356

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131 **WILMINGTON ROLLING MILLS** **DE SHWS** **1007057864**
NNW **1020 NORTH CHURCH STREET** **DE LUST** **N/A**
1/2-1 **WILMINGTON, DE** **DE UST**
0.993 mi. **DE INST CONTROL**
5244 ft.

Relative: **Lower**

Actual: **10 ft.**

SHWS:

Name:	WILMINGTON ROLLING MILL
Address:	1020 NORTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10026808
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27311
Prog ID:	DE-1198
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189572.82
YCoordinate NAD83 Meters:	193394.47
Latitude Dec:	39.742128
Longitude Dec:	-75.538504
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	31.6608
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	18.6144
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported

WILMINGTON ROLLING MILLS (Continued) **1007057864**

Mod Grid:	Not reported
Name:	WILMINGTON ROLLING MILL
Address:	1020 NORTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10026808
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27311
Prog ID:	DE-1198
Additional Info:	State Funded Brownfield
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189572.82
YCoordinate NAD83 Meters:	193394.47
Latitude Dec:	39.742128
Longitude Dec:	-75.538504
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	31.6608
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	18.6144
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

LUST:

Name:	WILMINGTON ROLLING MILLS
Address:	1020 NORTH CHURCH STREET
City,State,Zip:	WILMINGTON, DE 198014112
Facility ID:	10026808
Status:	Inactive
Date Closed:	**11/13/2001**
Project Number:	N0104029
Watershed:	Brandywine Creek
Basin:	Piedmont
Latitude:	39.74205
Longitude:	-75.5392
Country Abv:	US
PI ID:	21269

WILMINGTON ROLLING MILLS (Continued) **1007057864**

Prog ID:	3-002094
Additional Info:	Not reported
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
Loc Type:	P
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

UST:

Facility Id:	10026808
PI Id:	21269
Prog Id:	3-002094
Tax Id:	Not reported
Additional Info:	Not reported
Care Of:	Not reported
PO Name:	Wilmington
Sewer District:	Wilmington
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Water District:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Yes
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Indian River
GMZ Name:	Not reported
AG Pres District:	Not reported
Mod Grid:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
X Coordinate Na D83 Meters:	189495.1
Y Coordinate Na D83 Meters:	193396.5
Latitude Dec:	39.74205
Longitude Dec:	-75.5392
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	31.3836
Longitude Degrees:	-75

WILMINGTON ROLLING MILLS (Continued) **1007057864**

Longitude Minutes: 32
Longitude Seconds: 21.2028
Name: WILMINGTON ROLLING MILLS
Address: 1020 NORTH CHURCH STREET
City,State,Zip: WILMINGTON, DE

Tank Info:
Owner: DE DNREC Unkown Owner
Owner Address: 391 Lukens Drive, New Castle, DE 19720 US
Tank Id: 3
Alt Tank Id: 3
Tank Status: Removed
Capacity: 1000
Tank Substance: Heating Oil
Compartment: N
Close Date: 08/23/2001
Install Date: Not reported

Owner: DE DNREC Unkown Owner
Owner Address: 391 Lukens Drive, New Castle, DE 19720 US
Tank Id: 4
Alt Tank Id: 4
Tank Status: Removed
Capacity: 1000
Tank Substance: Gasoline
Compartment: N
Close Date: 08/02/2001
Install Date: Not reported

Owner: DE DNREC Unkown Owner
Owner Address: 391 Lukens Drive, New Castle, DE 19720 US
Tank Id: 5
Alt Tank Id: 5
Tank Status: Removed
Capacity: 1000
Tank Substance: Diesel
Compartment: N
Close Date: 08/23/2001
Install Date: Not reported

Owner: DE DNREC Unkown Owner
Owner Address: 391 Lukens Drive, New Castle, DE 19720 US
Tank Id: 6
Alt Tank Id: 4
Tank Status: Removed
Capacity: 500
Tank Substance: Heating Oil
Compartment: N
Close Date: 08/23/2001
Install Date: Not reported

Owner: DE DNREC Unkown Owner
Owner Address: 391 Lukens Drive, New Castle, DE 19720 US

WILMINGTON ROLLING MILLS (Continued) **1007057864**

Tank Id: 7
Alt Tank Id: 5
Tank Status: Removed
Capacity: 4000
Tank Substance: Gasoline
Compartment: N
Close Date: 08/23/2001
Install Date: Not reported

Inst Control:
Name: WILMINGTON ROLLING MILL
Address: 1020 NORTH CHURCH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1198
Report Title: Deed Restriction Sites
Site Type: State Funded Brownfield
Deed Restriction Date: 02/11/2009
Restrictions: Restricted to non-residential use, no land disturbing activities without written approval from DNREC, no installation of groundwater wells and/or withdrawal of groundwater from any wells without written approval from DNREC and compliance with O&M Plan.

Name: WILMINGTON ROLLING MILL
Address: 1020 NORTH CHURCH STREET
City,State,Zip: WILMINGTON, DE 19801
Facility ID: DE-1198
Report Title: Deed Restriction Sites
Site Type: Pre Remedial (PA/SI)
Deed Restriction Date: 02/11/2009
Restrictions: Restricted to non-residential use, no land disturbing activities without written approval from DNREC, no installation of groundwater wells and/or withdrawal of groundwater from any wells without written approval from DNREC and compliance with O&M Plan.

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132 **HAMILTON PARK/PYLES LANE** **DE SHWS** **S109552249**
WSW **N/A**
1/2-1 **NEW CASTLE, DE 19720**
0.994 mi.
5248 ft.

Relative:
Lower

Actual:
14 ft.

SHWS:
Name: HAMILTON PARK/PYLES LANE
Address: Not reported
City,State,Zip: NEW CASTLE, DE 19720
Facility ID: 10355215
Site Type: Other Industrial Plant
Care Of: Not reported
PI ID: 26914
Prog ID: DE-1284
Additional Info: HSCA
Reference Pt: Unknown
Horizontal Method: Unknown
Loc Type: P
XCoordinate NAD83 Meters: 189000.86
YCoordinate NAD83 Meters: 190440.98
Latitude Dec: 39.715584
Longitude Dec: -75.545064

HAMILTON PARK/PYLES LANE (Continued) **S109552249**

Latitude Degrees:	39
Latitude Minutes:	42
Latitude Seconds:	56.1024
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	42.2304
PO Name:	New Castle
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Count: 13 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NEW CASTLE	S107769039	154 S. DUPONT HWY	154 & 152 SOUTH DUPONT HIGHWAY	19720	DE SHWS
NEW CASTLE	S123143715	RIVERWALK WETLANDS	0 WEST 7TH STREET	19720	DE SHWS
NEW CASTLE	S110839287	TIMBER RIDGE TOWN HOMES	A-1 PAISLEY LANE	19720	DE LUST
WILMINGTON	1015733156	DUPONT CHERRY ISLAND LANDFILL	12TH & HAY RD	19802	SEMS-ARCHIVE
WILMINGTON	1003866512	ELECTRIC HOSE & RUBBER RECON	12TH ST	19802	SEMS-ARCHIVE
WILMINGTON	S123437538	BUDD METAL OU-2	(OU1) 4113 NEW CASTLE AVENUE	19801	DE SHWS, DE VCP
WILMINGTON	S123437537	BUDD METAL OU-1	(OU1) 4113 NEW CASTLE AVENUE	19801	DE SHWS, DE VCP
WILMINGTON	S123143718	CARNEY MACHINERY STORES	0 EAST FRONT STREET	19801	DE SHWS
WILMINGTON	S123143719	0 GARASCHES LANE	0 GARASCHES LANE	19801	DE SHWS
WILMINGTON	1009508590	CONECTIV HAY ROAD SITE	HAY ROAD	19801	EDR MGP
WILMINGTON	S116387636	CONECTIV SITE II ASH LANDFILL WILM	4506 HAY ROAD	19809	DE SWF/LF, DE RGA LF
WILMINGTON	S127742380	PARCEL C	0 SOUTH MARKET STREET	19801	DE SHWS
WILMNGTON	S123143716	DTC-2ND & WALNUT	NORTH POPLAR STREET	19801	DE SHWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 77

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 03/06/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 61

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Hazardous Substance Release Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 84

Source: Department of Natural Resources and Environmental Control
Telephone: 302-395-2600
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 89

Source: Department of Natural Resources and Environmental Control
Telephone: 302-739-3820
Last EDR Contact: 09/28/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LAST: Leaking Aboveground Storage Tank Sites

Leaking aboveground storage tank site locations.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 09/30/2021
Number of Days to Update: 79

Source: Department of Natural Resources & Control
Telephone: 302-395-2500
Last EDR Contact: 10/11/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

LUST: Leaking Underground Storage Tank Project Listing

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 09/30/2021
Number of Days to Update: 79

Source: Department of Natural Resources and Environmental Control
Telephone: 302-395-2500
Last EDR Contact: 10/11/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 09/30/2021
Number of Days to Update: 79

Source: Department of Natural Resources and Environmental Control
Telephone: 302-395-2500
Last EDR Contact: 10/11/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Sites
Facilities with aboveground storage tanks.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 89

Source: Department of Natural Resources and Environmental Control
Telephone: 302-739-4764
Last EDR Contact: 09/28/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

Inst Control: All Sites with Deed Restrictions

Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/09/2021
Number of Days to Update: 89

Source: Department of Natural Resources & Environmental Control
Telephone: 302-395-2600
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Sites

When a property is contaminated with hazardous substances there are liabilities associated with the cleanup of the site under Federal and State Superfund laws, regardless of who caused the contamination and when it was caused. Because of this liability, old industrial sites (with contamination) located close to well developed infrastructure do not attract developers or buyers. These individuals prefer to purchase pristine property without contamination known as "greenfield." Under the Voluntary Cleanup Program (VCP) developers and buyers performing the cleanup of contaminated properties would be provided the much needed protection from potential liabilities for past contamination. Thus, they can proceed with the purchase or development of the property with the assurance that they will not be held liable for environmental problems that were a result of past practices at the site.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 84

Source: Department of Natural Resources & Environmental Control
Telephone: 302-395-2600
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Certified Brownfields

Sites that have requested brownfields certification from the Secretary of DNREC.

Date of Government Version: 07/01/2021
Date Data Arrived at EDR: 07/29/2021
Date Made Active in Reports: 10/25/2021
Number of Days to Update: 88

Source: Dept. of Natural Resources & Environmental Control
Telephone: 302-739-4764
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recyclers Directory

A listing of recycling facilities.

Date of Government Version: 06/22/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 89

Source: Delaware Econonmic Development Office
Telephone: 302-739-4271
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Quarterly

PFAS: PFAS Information Listing

A list of sites being investigated by DNREC for per- and polyfluoroalkyl substances (PFAS) in drinking water, groundwater or surface water in Delaware.

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/28/2021
Number of Days to Update: 105

Source: DNREC
Telephone: 302-395-2600
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/13/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

SPILLS: Environmental Release Notification System

The Department of Natural Resources and Environmental Control (DNREC) developed this system to allow Delawareans to learn promptly of releases or discharges of contaminants or pollutants that meet or exceed certain thresholds in their neighborhoods or throughout the state.

Date of Government Version: 07/23/2021
Date Data Arrived at EDR: 07/23/2021
Date Made Active in Reports: 10/15/2021
Number of Days to Update: 84

Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9902
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Semi-Annually

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/17/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 66

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/19/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 85
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/20/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/27/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/24/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 62

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (215) 814-5000
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/26/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 70
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

AIRS: Air Emissions Listing
A listing of facilities with air emissions.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 89
Source: Department of Natural Resources & Environmental Control
Telephone: 302-323-4542
Last EDR Contact: 09/28/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

DRYCLEANERS: DRYCLEANERS
A listing of drycleaner facility locations.

Date of Government Version: 08/19/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/15/2021
Number of Days to Update: 84
Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9400
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ENFORCEMENT: Notice of Violations
Notice of violations are based on the observations of, and information submitted to, DNREC personnel. They only represent preliminary findings of the Department and are subject to further technical and legal review. These notices may or may not result in an enforcement action. Divisions included are Water Resources Air & Waste Management

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/23/2021
Date Made Active in Reports: 10/14/2021
Number of Days to Update: 83
Source: Department of Natural Recourses & Conservation
Telephone: 302-738-9401
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 01/10/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 5

Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9403
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 01/10/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 02/21/2018
Number of Days to Update: 41

Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9403
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information Listing

Underground storage tank financial assurance information.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 09/30/2021
Number of Days to Update: 79

Source: Department of Natural Resources & Environmental Control
Telephone: 302-395-2500
Last EDR Contact: 10/11/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

NPDES: Wasterwater Permit Listing

A listing of wastewater permits.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 89

Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9946
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/12/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 76

Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9405
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Annually

UIC: Underground Injection Wells Inventory Listing

A listing of underground injection well locations.

Date of Government Version: 08/02/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: DNREC
Telephone: 302-739-9948
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/30/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Deparment of Natural Resources and Environmental Control in Delaware.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Natural Resources and Environmental Control
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Deparment of Natural Resources and Environmental Control in Delaware.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/17/2014
Number of Days to Update: 200

Source: Department of Natural Resources and Environmental Control
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 05/15/2014
Number of Days to Update: 318

Source: EDR
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/23/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 90

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/12/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/06/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List
Source: Department of Services for Children
Telephone: 302-633-2500

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Statewide Wetlands Mapping Project
Source: Dept. of Natural Resources & Environmental Conservation
Telephone: 302-739-4691

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WILMINGTON HARBOR NORTH
1706 E 12TH STREET
WILMINGTON, DE 19801

TARGET PROPERTY COORDINATES

Latitude (North):	39.724604 - 39ˆ 43’ 28.57’’
Longitude (West):	75.524063 - 75ˆ 31’ 26.63’’
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	455085.7
UTM Y (Meters):	4397113.5
Elevation:	26 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14402867 WILMINGTON SOUTH, DE
Version Date:	2019
Southeast Map:	14317887 PENNS GROVE, NJ
Version Date:	2019

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

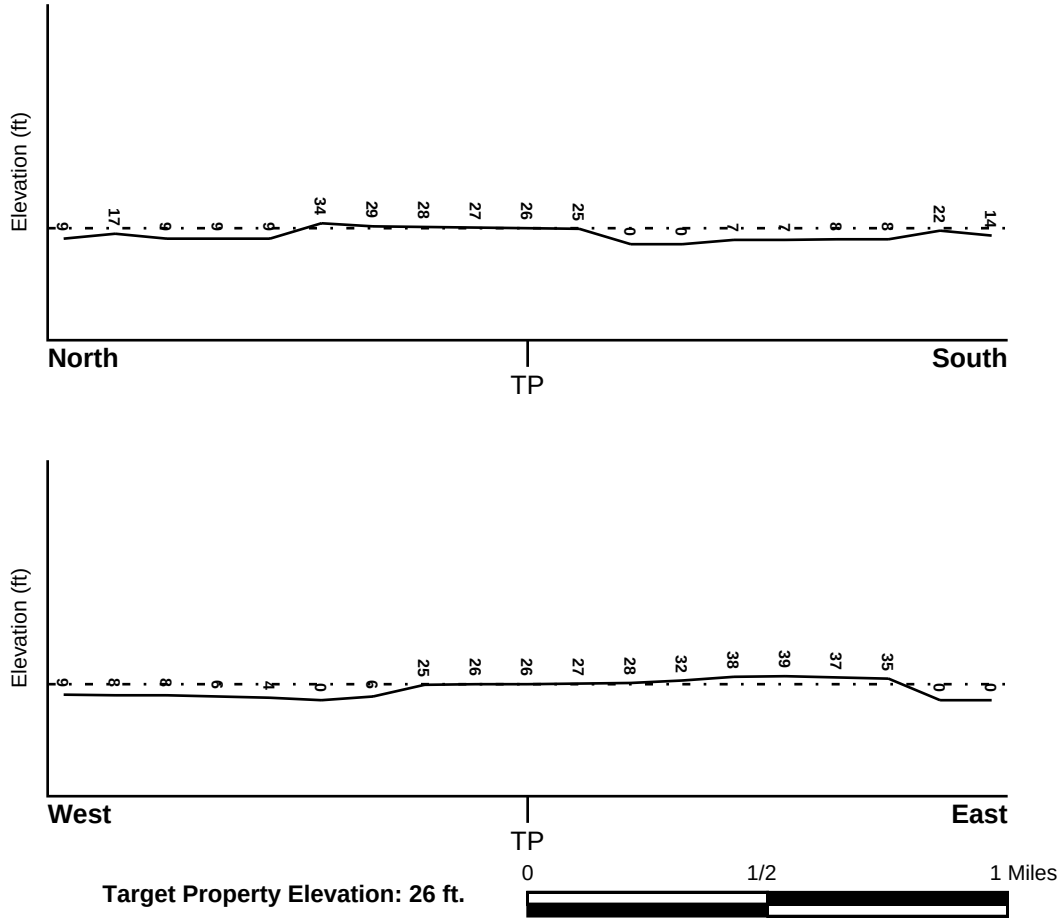
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
10003C0157K	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
10003C0156K	FEMA FIRM Flood data
10003C0158K	FEMA FIRM Flood data
10003C0159K	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
WILMINGTON SOUTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile WSW
Site Name:	Halby Chemical Co
Site EPA ID Number:	DED980830954
Groundwater Flow Direction:	NOT AVAILABLE.
Inferred Depth to Water:	approximately 5 feet.
Hydraulic Connection:	Information is not available about the hydraulic connection between aquifer(s) underlying the site.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Cretaceous
Series:	Lower Cretaceous
Code:	lK *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: extremely gravelly - coarse sand
silt loam
loam

Surficial Soil Types: extremely gravelly - coarse sand
silt loam
loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: extremely gravelly - sand
sand
stratified
clay loam
loam
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
W569	USGS40000231759	1/2 - 1 Mile WSW
AC574	USGS40000231758	1/2 - 1 Mile WSW
AC575	USGS40000231757	1/2 - 1 Mile WSW
AJ631	USGS40000231755	1/2 - 1 Mile SW
AN641	USGS40000231756	1/2 - 1 Mile WSW
667	USGS40000231754	1/2 - 1 Mile SW
BD786	USGS40000231760	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	DE3000000140428	1/8 - 1/4 Mile South
A2	DE3000000110757	1/4 - 1/2 Mile East
A3	DE3000000110758	1/4 - 1/2 Mile East
B4	DE3000000035756	1/4 - 1/2 Mile West
B5	DE3000000035757	1/4 - 1/2 Mile West
6	DE3000000124330	1/4 - 1/2 Mile NNW
C7	DE3000000035753	1/4 - 1/2 Mile NE
D8	DE3000000110495	1/4 - 1/2 Mile NNE
D9	DE3000000110496	1/4 - 1/2 Mile NNE
D10	DE3000000110497	1/4 - 1/2 Mile NNE
C11	DE3000000110502	1/4 - 1/2 Mile NE
C12	DE3000000110503	1/4 - 1/2 Mile NE
C13	DE3000000110504	1/4 - 1/2 Mile NE
E14	DE3000000035754	1/4 - 1/2 Mile North
15	DE3000000162078	1/4 - 1/2 Mile NNW
F16	DE3000000110499	1/4 - 1/2 Mile NE
F17	DE3000000110500	1/4 - 1/2 Mile NE
F18	DE3000000110501	1/4 - 1/2 Mile NE
G19	DE3000000027428	1/4 - 1/2 Mile SSW
G20	DE3000000027427	1/4 - 1/2 Mile SSW
G21	DE3000000027426	1/4 - 1/2 Mile SSW
G22	DE3000000027431	1/4 - 1/2 Mile SSW
G23	DE3000000027430	1/4 - 1/2 Mile SSW
G24	DE3000000027429	1/4 - 1/2 Mile SSW
G25	DE3000000008872	1/4 - 1/2 Mile SSW
G26	DE3000000008870	1/4 - 1/2 Mile SSW
G27	DE3000000008866	1/4 - 1/2 Mile SSW
G28	DE3000000018639	1/4 - 1/2 Mile SSW
G29	DE3000000018638	1/4 - 1/2 Mile SSW
G30	DE3000000018637	1/4 - 1/2 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G31	DE3000000030650	1/4 - 1/2 Mile SSW
G32	DE3000000028307	1/4 - 1/2 Mile SSW
G33	DE3000000027438	1/4 - 1/2 Mile SSW
G34	DE3000000033597	1/4 - 1/2 Mile SSW
G35	DE3000000030654	1/4 - 1/2 Mile SSW
G36	DE3000000030653	1/4 - 1/2 Mile SSW
G37	DE3000000027434	1/4 - 1/2 Mile SSW
G38	DE3000000027433	1/4 - 1/2 Mile SSW
G39	DE3000000027432	1/4 - 1/2 Mile SSW
G40	DE3000000027437	1/4 - 1/2 Mile SSW
G41	DE3000000027436	1/4 - 1/2 Mile SSW
G42	DE3000000027435	1/4 - 1/2 Mile SSW
H43	DE3000000110498	1/4 - 1/2 Mile NNE
44	DE3000000044600	1/4 - 1/2 Mile WNW
H45	DE3000000110493	1/4 - 1/2 Mile NNE
H46	DE3000000110494	1/4 - 1/2 Mile NNE
I47	DE3000000110525	1/4 - 1/2 Mile East
I48	DE3000000110524	1/4 - 1/2 Mile East
I49	DE3000000110523	1/4 - 1/2 Mile East
I50	DE3000000110528	1/4 - 1/2 Mile East
I51	DE3000000110527	1/4 - 1/2 Mile East
I52	DE3000000110526	1/4 - 1/2 Mile East
J53	DE3000000110880	1/4 - 1/2 Mile ESE
J54	DE3000000110881	1/4 - 1/2 Mile ESE
J55	DE3000000110879	1/4 - 1/2 Mile ESE
J56	DE3000000110877	1/4 - 1/2 Mile ESE
J57	DE3000000110878	1/4 - 1/2 Mile ESE
J58	DE3000000110885	1/4 - 1/2 Mile ESE
J59	DE3000000110886	1/4 - 1/2 Mile ESE
J60	DE3000000110884	1/4 - 1/2 Mile ESE
J61	DE3000000110882	1/4 - 1/2 Mile ESE
J62	DE3000000110883	1/4 - 1/2 Mile ESE
H63	DE3000000110750	1/4 - 1/2 Mile NNE
H64	DE3000000110751	1/4 - 1/2 Mile NNE
H65	DE3000000110749	1/4 - 1/2 Mile NNE
H66	DE3000000110747	1/4 - 1/2 Mile NNE
H67	DE3000000110748	1/4 - 1/2 Mile NNE
H68	DE3000000110755	1/4 - 1/2 Mile NNE
H69	DE3000000110756	1/4 - 1/2 Mile NNE
H70	DE3000000110754	1/4 - 1/2 Mile NNE
H71	DE3000000110752	1/4 - 1/2 Mile NNE
H72	DE3000000110753	1/4 - 1/2 Mile NNE
K73	DE3000000140429	1/4 - 1/2 Mile SE
E74	DE3000000154355	1/2 - 1 Mile North
L75	DE3000000110745	1/2 - 1 Mile NE
L76	DE3000000110746	1/2 - 1 Mile NE
J77	DE3000000110860	1/2 - 1 Mile ESE
J78	DE3000000110861	1/2 - 1 Mile ESE
J79	DE3000000110859	1/2 - 1 Mile ESE
J80	DE3000000110857	1/2 - 1 Mile ESE
J81	DE3000000110858	1/2 - 1 Mile ESE
J82	DE3000000110865	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J83	DE3000000110866	1/2 - 1 Mile ESE
J84	DE3000000110864	1/2 - 1 Mile ESE
J85	DE3000000110862	1/2 - 1 Mile ESE
J86	DE3000000110863	1/2 - 1 Mile ESE
M87	DE3000000157377	1/2 - 1 Mile West
M88	DE3000000157376	1/2 - 1 Mile West
M89	DE3000000157378	1/2 - 1 Mile West
M90	DE3000000157380	1/2 - 1 Mile West
M91	DE3000000157379	1/2 - 1 Mile West
M92	DE3000000141032	1/2 - 1 Mile West
M93	DE3000000140713	1/2 - 1 Mile West
M94	DE3000000140714	1/2 - 1 Mile West
M95	DE3000000140715	1/2 - 1 Mile West
J96	DE3000000110850	1/2 - 1 Mile ESE
J97	DE3000000110851	1/2 - 1 Mile ESE
J98	DE3000000110848	1/2 - 1 Mile ESE
J99	DE3000000110849	1/2 - 1 Mile ESE
J100	DE3000000110852	1/2 - 1 Mile ESE
J101	DE3000000110855	1/2 - 1 Mile ESE
J102	DE3000000110856	1/2 - 1 Mile ESE
J103	DE3000000110853	1/2 - 1 Mile ESE
J104	DE3000000110854	1/2 - 1 Mile ESE
M105	DE3000000140674	1/2 - 1 Mile West
N106	DE3000000110963	1/2 - 1 Mile ENE
N107	DE3000000110964	1/2 - 1 Mile ENE
M108	DE3000000140672	1/2 - 1 Mile West
M109	DE3000000140673	1/2 - 1 Mile West
O110	DE3000000111177	1/2 - 1 Mile NE
O111	DE3000000111176	1/2 - 1 Mile NE
O112	DE3000000111179	1/2 - 1 Mile NE
O113	DE3000000111178	1/2 - 1 Mile NE
P114	DE3000000022108	1/2 - 1 Mile North
P115	DE3000000022109	1/2 - 1 Mile North
Q116	DE3000000110825	1/2 - 1 Mile ESE
Q117	DE3000000110826	1/2 - 1 Mile ESE
Q118	DE3000000110824	1/2 - 1 Mile ESE
Q119	DE3000000110822	1/2 - 1 Mile ESE
Q120	DE3000000110823	1/2 - 1 Mile ESE
Q121	DE3000000110830	1/2 - 1 Mile ESE
Q122	DE3000000110831	1/2 - 1 Mile ESE
Q123	DE3000000110829	1/2 - 1 Mile ESE
Q124	DE3000000110827	1/2 - 1 Mile ESE
Q125	DE3000000110828	1/2 - 1 Mile ESE
J126	DE3000000110888	1/2 - 1 Mile ESE
J127	DE3000000110887	1/2 - 1 Mile ESE
J128	DE3000000110890	1/2 - 1 Mile ESE
J129	DE3000000110889	1/2 - 1 Mile ESE
K130	DE3000000135412	1/2 - 1 Mile SE
M131	DE3000000140665	1/2 - 1 Mile West
R132	DE3000000110516	1/2 - 1 Mile East
R133	DE3000000110517	1/2 - 1 Mile East
R134	DE3000000110515	1/2 - 1 Mile East

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
R135	DE3000000110513	1/2 - 1 Mile East
R136	DE3000000110514	1/2 - 1 Mile East
R137	DE3000000110521	1/2 - 1 Mile East
R138	DE3000000110522	1/2 - 1 Mile East
R139	DE3000000110520	1/2 - 1 Mile East
R140	DE3000000110518	1/2 - 1 Mile East
R141	DE3000000110519	1/2 - 1 Mile East
Q142	DE3000000110815	1/2 - 1 Mile ESE
Q143	DE3000000110816	1/2 - 1 Mile ESE
Q144	DE3000000110814	1/2 - 1 Mile ESE
Q145	DE3000000110812	1/2 - 1 Mile ESE
Q146	DE3000000110813	1/2 - 1 Mile ESE
Q147	DE3000000110820	1/2 - 1 Mile ESE
Q148	DE3000000110821	1/2 - 1 Mile ESE
Q149	DE3000000110819	1/2 - 1 Mile ESE
Q150	DE3000000110817	1/2 - 1 Mile ESE
Q151	DE3000000110818	1/2 - 1 Mile ESE
M152	DE3000000140654	1/2 - 1 Mile West
N153	DE3000000110956	1/2 - 1 Mile ENE
N154	DE3000000110957	1/2 - 1 Mile ENE
N155	DE3000000110955	1/2 - 1 Mile ENE
N156	DE3000000110953	1/2 - 1 Mile ENE
N157	DE3000000110954	1/2 - 1 Mile ENE
N158	DE3000000110961	1/2 - 1 Mile ENE
N159	DE3000000110962	1/2 - 1 Mile ENE
N160	DE3000000110960	1/2 - 1 Mile ENE
N161	DE3000000110958	1/2 - 1 Mile ENE
N162	DE3000000110959	1/2 - 1 Mile ENE
Q163	DE3000000110842	1/2 - 1 Mile ESE
Q164	DE3000000110843	1/2 - 1 Mile ESE
Q165	DE3000000110840	1/2 - 1 Mile ESE
Q166	DE3000000110841	1/2 - 1 Mile ESE
Q167	DE3000000110846	1/2 - 1 Mile ESE
Q168	DE3000000110847	1/2 - 1 Mile ESE
Q169	DE3000000110844	1/2 - 1 Mile ESE
Q170	DE3000000110845	1/2 - 1 Mile ESE
M171	DE3000000141031	1/2 - 1 Mile West
M172	DE3000000141072	1/2 - 1 Mile West
O173	DE3000000043918	1/2 - 1 Mile NE
O174	DE3000000043919	1/2 - 1 Mile NE
O175	DE3000000043920	1/2 - 1 Mile NE
O176	DE3000000043917	1/2 - 1 Mile NE
O177	DE3000000043914	1/2 - 1 Mile NE
O178	DE3000000043915	1/2 - 1 Mile NE
O179	DE3000000043916	1/2 - 1 Mile NE
O180	DE3000000043921	1/2 - 1 Mile NE
O181	DE3000000043926	1/2 - 1 Mile NE
O182	DE3000000043927	1/2 - 1 Mile NE
O183	DE3000000043928	1/2 - 1 Mile NE
O184	DE3000000043925	1/2 - 1 Mile NE
O185	DE3000000043922	1/2 - 1 Mile NE
O186	DE3000000043923	1/2 - 1 Mile NE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O187	DE3000000043924	1/2 - 1 Mile NE
O188	DE3000000043901	1/2 - 1 Mile NE
O189	DE3000000043904	1/2 - 1 Mile NE
O190	DE3000000043905	1/2 - 1 Mile NE
O191	DE3000000043900	1/2 - 1 Mile NE
O192	DE3000000043897	1/2 - 1 Mile NE
O193	DE3000000043898	1/2 - 1 Mile NE
O194	DE3000000043899	1/2 - 1 Mile NE
O195	DE3000000043906	1/2 - 1 Mile NE
O196	DE3000000043911	1/2 - 1 Mile NE
O197	DE3000000043912	1/2 - 1 Mile NE
O198	DE3000000043913	1/2 - 1 Mile NE
O199	DE3000000043910	1/2 - 1 Mile NE
O200	DE3000000043907	1/2 - 1 Mile NE
O201	DE3000000043908	1/2 - 1 Mile NE
O202	DE3000000043909	1/2 - 1 Mile NE
O203	DE3000000043948	1/2 - 1 Mile NE
O204	DE3000000043949	1/2 - 1 Mile NE
O205	DE3000000043950	1/2 - 1 Mile NE
O206	DE3000000043947	1/2 - 1 Mile NE
O207	DE3000000043944	1/2 - 1 Mile NE
O208	DE3000000043945	1/2 - 1 Mile NE
O209	DE3000000043946	1/2 - 1 Mile NE
O210	DE3000000043951	1/2 - 1 Mile NE
O211	DE3000000044012	1/2 - 1 Mile NE
O212	DE3000000044013	1/2 - 1 Mile NE
O213	DE3000000044014	1/2 - 1 Mile NE
O214	DE3000000044011	1/2 - 1 Mile NE
O215	DE3000000043952	1/2 - 1 Mile NE
O216	DE3000000043953	1/2 - 1 Mile NE
O217	DE3000000043954	1/2 - 1 Mile NE
O218	DE3000000043933	1/2 - 1 Mile NE
O219	DE3000000043934	1/2 - 1 Mile NE
O220	DE3000000043935	1/2 - 1 Mile NE
O221	DE3000000043932	1/2 - 1 Mile NE
O222	DE3000000043929	1/2 - 1 Mile NE
O223	DE3000000043930	1/2 - 1 Mile NE
O224	DE3000000043931	1/2 - 1 Mile NE
O225	DE3000000043936	1/2 - 1 Mile NE
O226	DE3000000043941	1/2 - 1 Mile NE
O227	DE3000000043942	1/2 - 1 Mile NE
O228	DE3000000043943	1/2 - 1 Mile NE
O229	DE3000000043940	1/2 - 1 Mile NE
O230	DE3000000043937	1/2 - 1 Mile NE
O231	DE3000000043938	1/2 - 1 Mile NE
O232	DE3000000043939	1/2 - 1 Mile NE
O233	DE3000000043896	1/2 - 1 Mile NE
O234	DE3000000030770	1/2 - 1 Mile NE
O235	DE3000000030771	1/2 - 1 Mile NE
O236	DE3000000030861	1/2 - 1 Mile NE
O237	DE3000000030769	1/2 - 1 Mile NE
O238	DE3000000030651	1/2 - 1 Mile NE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O239	DE3000000030683	1/2 - 1 Mile NE
O240	DE3000000030766	1/2 - 1 Mile NE
O241	DE3000000030862	1/2 - 1 Mile NE
O242	DE3000000032831	1/2 - 1 Mile NE
O243	DE3000000032832	1/2 - 1 Mile NE
O244	DE3000000032833	1/2 - 1 Mile NE
O245	DE3000000032830	1/2 - 1 Mile NE
O246	DE3000000030863	1/2 - 1 Mile NE
O247	DE3000000031356	1/2 - 1 Mile NE
O248	DE3000000031357	1/2 - 1 Mile NE
O249	DE3000000026832	1/2 - 1 Mile NE
O250	DE3000000026833	1/2 - 1 Mile NE
O251	DE3000000026872	1/2 - 1 Mile NE
O252	DE3000000026662	1/2 - 1 Mile NE
O253	DE3000000026658	1/2 - 1 Mile NE
O254	DE3000000026659	1/2 - 1 Mile NE
O255	DE3000000026661	1/2 - 1 Mile NE
O256	DE3000000030440	1/2 - 1 Mile NE
O257	DE3000000030647	1/2 - 1 Mile NE
O258	DE3000000030648	1/2 - 1 Mile NE
O259	DE3000000030649	1/2 - 1 Mile NE
O260	DE3000000030645	1/2 - 1 Mile NE
O261	DE3000000030441	1/2 - 1 Mile NE
O262	DE3000000030442	1/2 - 1 Mile NE
O263	DE3000000030644	1/2 - 1 Mile NE
O264	DE3000000043808	1/2 - 1 Mile NE
O265	DE3000000043810	1/2 - 1 Mile NE
O266	DE3000000043813	1/2 - 1 Mile NE
O267	DE3000000043807	1/2 - 1 Mile NE
O268	DE3000000043804	1/2 - 1 Mile NE
O269	DE3000000043805	1/2 - 1 Mile NE
O270	DE3000000043806	1/2 - 1 Mile NE
O271	DE3000000043886	1/2 - 1 Mile NE
O272	DE3000000043893	1/2 - 1 Mile NE
O273	DE3000000043894	1/2 - 1 Mile NE
O274	DE3000000043895	1/2 - 1 Mile NE
O275	DE3000000043892	1/2 - 1 Mile NE
O276	DE3000000043889	1/2 - 1 Mile NE
O277	DE3000000043890	1/2 - 1 Mile NE
O278	DE3000000043891	1/2 - 1 Mile NE
O279	DE3000000033075	1/2 - 1 Mile NE
O280	DE3000000033076	1/2 - 1 Mile NE
O281	DE3000000033077	1/2 - 1 Mile NE
O282	DE3000000033059	1/2 - 1 Mile NE
O283	DE3000000032834	1/2 - 1 Mile NE
O284	DE3000000032835	1/2 - 1 Mile NE
O285	DE3000000032837	1/2 - 1 Mile NE
O286	DE3000000043796	1/2 - 1 Mile NE
O287	DE3000000043801	1/2 - 1 Mile NE
O288	DE3000000043802	1/2 - 1 Mile NE
O289	DE3000000043803	1/2 - 1 Mile NE
O290	DE3000000043800	1/2 - 1 Mile NE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O291	DE3000000043797	1/2 - 1 Mile NE
O292	DE3000000043798	1/2 - 1 Mile NE
O293	DE3000000043799	1/2 - 1 Mile NE
O294	DE3000000044015	1/2 - 1 Mile NE
O295	DE3000000044519	1/2 - 1 Mile NE
O296	DE3000000044520	1/2 - 1 Mile NE
O297	DE3000000044521	1/2 - 1 Mile NE
O298	DE3000000044518	1/2 - 1 Mile NE
O299	DE3000000044508	1/2 - 1 Mile NE
O300	DE3000000044511	1/2 - 1 Mile NE
O301	DE3000000044515	1/2 - 1 Mile NE
O302	DE3000000044522	1/2 - 1 Mile NE
O303	DE3000000046280	1/2 - 1 Mile NE
O304	DE3000000046281	1/2 - 1 Mile NE
O305	DE3000000046282	1/2 - 1 Mile NE
O306	DE3000000046279	1/2 - 1 Mile NE
O307	DE3000000044523	1/2 - 1 Mile NE
O308	DE3000000044524	1/2 - 1 Mile NE
O309	DE3000000044525	1/2 - 1 Mile NE
O310	DE3000000044497	1/2 - 1 Mile NE
O311	DE3000000044498	1/2 - 1 Mile NE
O312	DE3000000044499	1/2 - 1 Mile NE
O313	DE3000000044496	1/2 - 1 Mile NE
O314	DE3000000044493	1/2 - 1 Mile NE
O315	DE3000000044494	1/2 - 1 Mile NE
O316	DE3000000044495	1/2 - 1 Mile NE
O317	DE3000000044500	1/2 - 1 Mile NE
O318	DE3000000044505	1/2 - 1 Mile NE
O319	DE3000000044506	1/2 - 1 Mile NE
O320	DE3000000044507	1/2 - 1 Mile NE
O321	DE3000000044504	1/2 - 1 Mile NE
O322	DE3000000044501	1/2 - 1 Mile NE
O323	DE3000000044502	1/2 - 1 Mile NE
O324	DE3000000044503	1/2 - 1 Mile NE
O325	DE3000000046302	1/2 - 1 Mile NE
O326	DE3000000046303	1/2 - 1 Mile NE
O327	DE3000000046304	1/2 - 1 Mile NE
O328	DE3000000046301	1/2 - 1 Mile NE
O329	DE3000000046298	1/2 - 1 Mile NE
O330	DE3000000046299	1/2 - 1 Mile NE
O331	DE3000000046300	1/2 - 1 Mile NE
O332	DE3000000046305	1/2 - 1 Mile NE
O333	DE3000000046310	1/2 - 1 Mile NE
O334	DE3000000046311	1/2 - 1 Mile NE
O335	DE3000000046312	1/2 - 1 Mile NE
O336	DE3000000046309	1/2 - 1 Mile NE
O337	DE3000000046306	1/2 - 1 Mile NE
O338	DE3000000046307	1/2 - 1 Mile NE
O339	DE3000000046308	1/2 - 1 Mile NE
O340	DE3000000046287	1/2 - 1 Mile NE
O341	DE3000000046288	1/2 - 1 Mile NE
O342	DE3000000046289	1/2 - 1 Mile NE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O343	DE3000000046286	1/2 - 1 Mile NE
O344	DE3000000046283	1/2 - 1 Mile NE
O345	DE3000000046284	1/2 - 1 Mile NE
O346	DE3000000046285	1/2 - 1 Mile NE
O347	DE3000000046290	1/2 - 1 Mile NE
O348	DE3000000046295	1/2 - 1 Mile NE
O349	DE3000000046296	1/2 - 1 Mile NE
O350	DE3000000046297	1/2 - 1 Mile NE
O351	DE3000000046294	1/2 - 1 Mile NE
O352	DE3000000046291	1/2 - 1 Mile NE
O353	DE3000000046292	1/2 - 1 Mile NE
O354	DE3000000046293	1/2 - 1 Mile NE
O355	DE3000000044492	1/2 - 1 Mile NE
O356	DE3000000044069	1/2 - 1 Mile NE
O357	DE3000000044081	1/2 - 1 Mile NE
O358	DE3000000044083	1/2 - 1 Mile NE
O359	DE3000000044068	1/2 - 1 Mile NE
O360	DE3000000044065	1/2 - 1 Mile NE
O361	DE3000000044066	1/2 - 1 Mile NE
O362	DE3000000044067	1/2 - 1 Mile NE
O363	DE3000000044084	1/2 - 1 Mile NE
O364	DE3000000044453	1/2 - 1 Mile NE
O365	DE3000000044454	1/2 - 1 Mile NE
O366	DE3000000044455	1/2 - 1 Mile NE
O367	DE3000000044452	1/2 - 1 Mile NE
O368	DE3000000044449	1/2 - 1 Mile NE
O369	DE3000000044450	1/2 - 1 Mile NE
O370	DE3000000044451	1/2 - 1 Mile NE
O371	DE3000000044035	1/2 - 1 Mile NE
O372	DE3000000044038	1/2 - 1 Mile NE
O373	DE3000000044039	1/2 - 1 Mile NE
O374	DE3000000044019	1/2 - 1 Mile NE
O375	DE3000000044016	1/2 - 1 Mile NE
O376	DE3000000044017	1/2 - 1 Mile NE
O377	DE3000000044018	1/2 - 1 Mile NE
O378	DE3000000044040	1/2 - 1 Mile NE
O379	DE3000000044057	1/2 - 1 Mile NE
O380	DE3000000044061	1/2 - 1 Mile NE
O381	DE3000000044064	1/2 - 1 Mile NE
O382	DE3000000044054	1/2 - 1 Mile NE
O383	DE3000000044041	1/2 - 1 Mile NE
O384	DE3000000044042	1/2 - 1 Mile NE
O385	DE3000000044045	1/2 - 1 Mile NE
O386	DE3000000044481	1/2 - 1 Mile NE
O387	DE3000000044482	1/2 - 1 Mile NE
O388	DE3000000044483	1/2 - 1 Mile NE
O389	DE3000000044480	1/2 - 1 Mile NE
O390	DE3000000044477	1/2 - 1 Mile NE
O391	DE3000000044478	1/2 - 1 Mile NE
O392	DE3000000044479	1/2 - 1 Mile NE
O393	DE3000000044484	1/2 - 1 Mile NE
O394	DE3000000044489	1/2 - 1 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O395	DE3000000044490	1/2 - 1 Mile NE
O396	DE3000000044491	1/2 - 1 Mile NE
O397	DE3000000044488	1/2 - 1 Mile NE
O398	DE3000000044485	1/2 - 1 Mile NE
O399	DE3000000044486	1/2 - 1 Mile NE
O400	DE3000000044487	1/2 - 1 Mile NE
O401	DE3000000044460	1/2 - 1 Mile NE
O402	DE3000000044461	1/2 - 1 Mile NE
O403	DE3000000044462	1/2 - 1 Mile NE
O404	DE3000000044459	1/2 - 1 Mile NE
O405	DE3000000044456	1/2 - 1 Mile NE
O406	DE3000000044457	1/2 - 1 Mile NE
O407	DE3000000044458	1/2 - 1 Mile NE
O408	DE3000000044463	1/2 - 1 Mile NE
O409	DE3000000044474	1/2 - 1 Mile NE
O410	DE3000000044475	1/2 - 1 Mile NE
O411	DE3000000044476	1/2 - 1 Mile NE
O412	DE3000000044473	1/2 - 1 Mile NE
O413	DE3000000044464	1/2 - 1 Mile NE
O414	DE3000000044465	1/2 - 1 Mile NE
O415	DE3000000044466	1/2 - 1 Mile NE
O416	DE3000000016090	1/2 - 1 Mile NE
O417	DE3000000016091	1/2 - 1 Mile NE
O418	DE3000000018677	1/2 - 1 Mile NE
O419	DE3000000016089	1/2 - 1 Mile NE
O420	DE3000000016086	1/2 - 1 Mile NE
O421	DE3000000016087	1/2 - 1 Mile NE
O422	DE3000000016088	1/2 - 1 Mile NE
O423	DE3000000022631	1/2 - 1 Mile NE
O424	DE3000000022632	1/2 - 1 Mile NE
O425	DE3000000022633	1/2 - 1 Mile NE
O426	DE3000000021600	1/2 - 1 Mile NE
O427	DE3000000021596	1/2 - 1 Mile NE
O428	DE3000000021598	1/2 - 1 Mile NE
O429	DE3000000021599	1/2 - 1 Mile NE
O430	DE3000000016085	1/2 - 1 Mile NE
O431	DE3000000016075	1/2 - 1 Mile NE
O432	DE3000000016076	1/2 - 1 Mile NE
O433	DE3000000016077	1/2 - 1 Mile NE
O434	DE3000000016074	1/2 - 1 Mile NE
O435	DE3000000008899	1/2 - 1 Mile NE
O436	DE3000000016072	1/2 - 1 Mile NE
O437	DE3000000016073	1/2 - 1 Mile NE
O438	DE3000000016082	1/2 - 1 Mile NE
O439	DE3000000016083	1/2 - 1 Mile NE
O440	DE3000000016084	1/2 - 1 Mile NE
O441	DE3000000016081	1/2 - 1 Mile NE
O442	DE3000000016078	1/2 - 1 Mile NE
O443	DE3000000016079	1/2 - 1 Mile NE
O444	DE3000000016080	1/2 - 1 Mile NE
O445	DE3000000022634	1/2 - 1 Mile NE
O446	DE3000000023209	1/2 - 1 Mile NE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O447	DE3000000023210	1/2 - 1 Mile NE
O448	DE3000000023212	1/2 - 1 Mile NE
O449	DE3000000023207	1/2 - 1 Mile NE
O450	DE3000000023204	1/2 - 1 Mile NE
O451	DE3000000023205	1/2 - 1 Mile NE
O452	DE3000000023206	1/2 - 1 Mile NE
O453	DE3000000026655	1/2 - 1 Mile NE
O454	DE3000000026656	1/2 - 1 Mile NE
O455	DE3000000026657	1/2 - 1 Mile NE
O456	DE3000000024318	1/2 - 1 Mile NE
O457	DE3000000024304	1/2 - 1 Mile NE
O458	DE3000000024308	1/2 - 1 Mile NE
O459	DE3000000024309	1/2 - 1 Mile NE
O460	DE3000000022653	1/2 - 1 Mile NE
O461	DE3000000022639	1/2 - 1 Mile NE
O462	DE3000000022640	1/2 - 1 Mile NE
O463	DE3000000022641	1/2 - 1 Mile NE
O464	DE3000000022638	1/2 - 1 Mile NE
O465	DE3000000022635	1/2 - 1 Mile NE
O466	DE3000000022636	1/2 - 1 Mile NE
O467	DE3000000022637	1/2 - 1 Mile NE
O468	DE3000000022647	1/2 - 1 Mile NE
O469	DE3000000022648	1/2 - 1 Mile NE
O470	DE3000000022652	1/2 - 1 Mile NE
O471	DE3000000022645	1/2 - 1 Mile NE
O472	DE3000000022642	1/2 - 1 Mile NE
O473	DE3000000022643	1/2 - 1 Mile NE
O474	DE3000000022644	1/2 - 1 Mile NE
Q475	DE3000000110806	1/2 - 1 Mile ESE
Q476	DE3000000110807	1/2 - 1 Mile ESE
Q477	DE3000000110804	1/2 - 1 Mile ESE
Q478	DE3000000110805	1/2 - 1 Mile ESE
Q479	DE3000000110810	1/2 - 1 Mile ESE
Q480	DE3000000110811	1/2 - 1 Mile ESE
Q481	DE3000000110808	1/2 - 1 Mile ESE
Q482	DE3000000110809	1/2 - 1 Mile ESE
Q483	DE3000000110834	1/2 - 1 Mile ESE
Q484	DE3000000110835	1/2 - 1 Mile ESE
Q485	DE3000000110832	1/2 - 1 Mile ESE
Q486	DE3000000110833	1/2 - 1 Mile ESE
Q487	DE3000000110838	1/2 - 1 Mile ESE
Q488	DE3000000110839	1/2 - 1 Mile ESE
Q489	DE3000000110836	1/2 - 1 Mile ESE
Q490	DE3000000110837	1/2 - 1 Mile ESE
491	DE3000000135408	1/2 - 1 Mile ENE
O492	DE3000000110044	1/2 - 1 Mile NE
O493	DE3000000110045	1/2 - 1 Mile NE
O494	DE3000000110043	1/2 - 1 Mile NE
O495	DE3000000110041	1/2 - 1 Mile NE
O496	DE3000000110042	1/2 - 1 Mile NE
O497	DE3000000110049	1/2 - 1 Mile NE
O498	DE3000000110050	1/2 - 1 Mile NE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O499	DE3000000110048	1/2 - 1 Mile NE
O500	DE3000000110046	1/2 - 1 Mile NE
O501	DE3000000110047	1/2 - 1 Mile NE
S502	DE3000000110870	1/2 - 1 Mile ESE
S503	DE3000000110871	1/2 - 1 Mile ESE
S504	DE3000000110869	1/2 - 1 Mile ESE
S505	DE3000000110867	1/2 - 1 Mile ESE
S506	DE3000000110868	1/2 - 1 Mile ESE
S507	DE3000000110875	1/2 - 1 Mile ESE
S508	DE3000000110876	1/2 - 1 Mile ESE
S509	DE3000000110874	1/2 - 1 Mile ESE
S510	DE3000000110872	1/2 - 1 Mile ESE
S511	DE3000000110873	1/2 - 1 Mile ESE
T512	DE3000000140675	1/2 - 1 Mile West
T513	DE3000000140676	1/2 - 1 Mile West
U514	DE3000000110949	1/2 - 1 Mile ENE
U515	DE3000000110948	1/2 - 1 Mile ENE
U516	DE3000000110950	1/2 - 1 Mile ENE
U517	DE3000000110952	1/2 - 1 Mile ENE
U518	DE3000000110951	1/2 - 1 Mile ENE
Q519	DE3000000111173	1/2 - 1 Mile ESE
Q520	DE3000000111172	1/2 - 1 Mile ESE
Q521	DE3000000111175	1/2 - 1 Mile ESE
Q522	DE3000000111174	1/2 - 1 Mile ESE
523	DE3000000157214	1/2 - 1 Mile WNW
V524	DE3000000164860	1/2 - 1 Mile SW
525	DE3000000035758	1/2 - 1 Mile NNE
V526	DE3000000124655	1/2 - 1 Mile SW
V527	DE3000000124656	1/2 - 1 Mile SW
V528	DE3000000124654	1/2 - 1 Mile SW
V529	DE3000000124652	1/2 - 1 Mile SW
V530	DE3000000124653	1/2 - 1 Mile SW
V531	DE3000000124660	1/2 - 1 Mile SW
V532	DE3000000124661	1/2 - 1 Mile SW
V533	DE3000000124659	1/2 - 1 Mile SW
V534	DE3000000124657	1/2 - 1 Mile SW
V535	DE3000000124658	1/2 - 1 Mile SW
W536	DE3000000033172	1/2 - 1 Mile WSW
U537	DE3000000110942	1/2 - 1 Mile ENE
V538	DE3000000125356	1/2 - 1 Mile SW
V539	DE3000000125357	1/2 - 1 Mile SW
V540	DE3000000125358	1/2 - 1 Mile SW
X541	DE3000000004964	1/2 - 1 Mile NNW
Y542	DE3000000000440	1/2 - 1 Mile SW
Z543	DE3000000033171	1/2 - 1 Mile WSW
Z544	DE3000000033170	1/2 - 1 Mile WSW
Z545	DE3000000033174	1/2 - 1 Mile WSW
Z546	DE3000000033173	1/2 - 1 Mile WSW
AA547	DE3000000110944	1/2 - 1 Mile ENE
AA548	DE3000000110943	1/2 - 1 Mile ENE
AA549	DE3000000110945	1/2 - 1 Mile ENE
AA550	DE3000000110947	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AA551	DE3000000110946	1/2 - 1 Mile ENE
AB552	DE3000000137345	1/2 - 1 Mile West
AB553	DE3000000137346	1/2 - 1 Mile West
AB554	DE3000000137347	1/2 - 1 Mile West
AB555	DE3000000137342	1/2 - 1 Mile West
AB556	DE3000000137343	1/2 - 1 Mile West
AB557	DE3000000137344	1/2 - 1 Mile West
AB558	DE3000000137348	1/2 - 1 Mile West
AB559	DE3000000137352	1/2 - 1 Mile West
AB560	DE3000000137353	1/2 - 1 Mile West
AB561	DE3000000137354	1/2 - 1 Mile West
AB562	DE3000000137349	1/2 - 1 Mile West
AB563	DE3000000137350	1/2 - 1 Mile West
AB564	DE3000000137351	1/2 - 1 Mile West
565	DE3000000163975	1/2 - 1 Mile South
Y566	DE3000000000826	1/2 - 1 Mile SW
Y567	DE3000000000827	1/2 - 1 Mile SW
Y568	DE3000000013810	1/2 - 1 Mile WSW
X570	DE3000000108735	1/2 - 1 Mile NNW
X571	DE3000000108734	1/2 - 1 Mile NNW
X572	DE3000000108737	1/2 - 1 Mile NNW
X573	DE3000000108736	1/2 - 1 Mile NNW
576	DE3000000004454	1/2 - 1 Mile South
AD577	DE3000000115252	1/2 - 1 Mile SW
AD578	DE3000000116603	1/2 - 1 Mile SW
AD579	DE3000000116604	1/2 - 1 Mile SW
AD580	DE3000000116605	1/2 - 1 Mile SW
AE581	DE3000000021985	1/2 - 1 Mile WSW
AE582	DE3000000021978	1/2 - 1 Mile WSW
AE583	DE3000000021984	1/2 - 1 Mile WSW
AE584	DE3000000021977	1/2 - 1 Mile WSW
585	DE3000000110302	1/2 - 1 Mile ESE
AE586	DE3000000021966	1/2 - 1 Mile WSW
AF587	DE3000000110762	1/2 - 1 Mile East
AF588	DE3000000110763	1/2 - 1 Mile East
AF589	DE3000000110761	1/2 - 1 Mile East
AF590	DE3000000110759	1/2 - 1 Mile East
AF591	DE3000000110760	1/2 - 1 Mile East
AF592	DE3000000110767	1/2 - 1 Mile East
AF593	DE3000000110768	1/2 - 1 Mile East
AF594	DE3000000110766	1/2 - 1 Mile East
AF595	DE3000000110764	1/2 - 1 Mile East
AF596	DE3000000110765	1/2 - 1 Mile East
AD597	DE3000000138196	1/2 - 1 Mile SW
AD598	DE3000000138197	1/2 - 1 Mile SW
AD599	DE3000000138198	1/2 - 1 Mile SW
AG600	DE3000000027486	1/2 - 1 Mile NNW
AG601	DE3000000027488	1/2 - 1 Mile NNW
AC602	DE3000000021997	1/2 - 1 Mile WSW
AC603	DE3000000021980	1/2 - 1 Mile WSW
604	DE3000000135409	1/2 - 1 Mile ESE
605	DE3000000131152	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AC606	DE3000000021968	1/2 - 1 Mile WSW
AC607	DE3000000021972	1/2 - 1 Mile WSW
AE608	DE3000000021981	1/2 - 1 Mile WSW
AH609	DE3000000023130	1/2 - 1 Mile NNW
AC610	DE3000000021973	1/2 - 1 Mile WSW
AC611	DE3000000021987	1/2 - 1 Mile WSW
AC612	DE3000000021991	1/2 - 1 Mile WSW
AC613	DE3000000021986	1/2 - 1 Mile WSW
AE614	DE3000000021982	1/2 - 1 Mile WSW
AC615	DE3000000021998	1/2 - 1 Mile WSW
AI616	DE3000000110939	1/2 - 1 Mile ENE
AI617	DE3000000110940	1/2 - 1 Mile ENE
AI618	DE3000000110941	1/2 - 1 Mile ENE
AC619	DE3000000021983	1/2 - 1 Mile WSW
AC620	DE3000000021969	1/2 - 1 Mile WSW
AJ621	DE3000000161910	1/2 - 1 Mile SW
AJ622	DE3000000161911	1/2 - 1 Mile SW
AE623	DE3000000021994	1/2 - 1 Mile WSW
AC624	DE3000000021996	1/2 - 1 Mile WSW
AC625	DE3000000021965	1/2 - 1 Mile WSW
AC626	DE3000000021990	1/2 - 1 Mile WSW
AC627	DE3000000021970	1/2 - 1 Mile WSW
AD628	DE3000000117117	1/2 - 1 Mile SSW
AC629	DE3000000021999	1/2 - 1 Mile WSW
AC630	DE3000000021988	1/2 - 1 Mile WSW
AK632	DE3000000110039	1/2 - 1 Mile East
AK633	DE3000000110040	1/2 - 1 Mile East
AC634	DE3000000021967	1/2 - 1 Mile WSW
AE635	DE3000000021976	1/2 - 1 Mile WSW
AL636	DE3000000151232	1/2 - 1 Mile NNW
AE637	DE3000000021971	1/2 - 1 Mile WSW
AE638	DE3000000021995	1/2 - 1 Mile WSW
AC639	DE3000000021951	1/2 - 1 Mile WSW
AM640	DE3000000163676	1/2 - 1 Mile SSW
AO642	DE3000000124066	1/2 - 1 Mile NNW
AH643	DE3000000124063	1/2 - 1 Mile NNW
AH644	DE3000000124064	1/2 - 1 Mile NNW
AH645	DE3000000124065	1/2 - 1 Mile NNW
AJ646	DE3000000008834	1/2 - 1 Mile SW
AP647	DE3000000135411	1/2 - 1 Mile ESE
AK648	DE3000000110032	1/2 - 1 Mile East
AK649	DE3000000110033	1/2 - 1 Mile East
AK650	DE3000000110031	1/2 - 1 Mile East
AK651	DE3000000110029	1/2 - 1 Mile East
AK652	DE3000000110030	1/2 - 1 Mile East
AK653	DE3000000110037	1/2 - 1 Mile East
AK654	DE3000000110038	1/2 - 1 Mile East
AK655	DE3000000110036	1/2 - 1 Mile East
AK656	DE3000000110034	1/2 - 1 Mile East
AK657	DE3000000110035	1/2 - 1 Mile East
AP658	DE3000000135410	1/2 - 1 Mile East
AQ659	DE3000000138601	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AQ660	DE3000000138600	1/2 - 1 Mile North
AQ661	DE3000000138602	1/2 - 1 Mile North
AQ662	DE3000000138604	1/2 - 1 Mile North
AQ663	DE3000000138603	1/2 - 1 Mile North
AN664	DE3000000021993	1/2 - 1 Mile WSW
AM665	DE3000000021883	1/2 - 1 Mile SSW
AM666	DE3000000072004	1/2 - 1 Mile SSW
AL668	DE3000000151231	1/2 - 1 Mile NNW
AJ669	DE3000000023317	1/2 - 1 Mile WSW
AN670	DE3000000119546	1/2 - 1 Mile WSW
AN671	DE3000000119547	1/2 - 1 Mile WSW
AN672	DE3000000119548	1/2 - 1 Mile WSW
AO673	DE3000000027487	1/2 - 1 Mile NNW
AR674	DE3000000138348	1/2 - 1 Mile WNW
AR675	DE3000000138349	1/2 - 1 Mile WNW
AL676	DE3000000026864	1/2 - 1 Mile NNW
AL677	DE3000000026863	1/2 - 1 Mile NNW
AL678	DE3000000026866	1/2 - 1 Mile NNW
AL679	DE3000000026865	1/2 - 1 Mile NNW
680	DE3000000023316	1/2 - 1 Mile SW
AR681	DE3000000138347	1/2 - 1 Mile WNW
AO682	DE3000000155372	1/2 - 1 Mile NNW
AO683	DE3000000155373	1/2 - 1 Mile NNW
AO684	DE3000000155374	1/2 - 1 Mile NNW
AS685	DE3000000152794	1/2 - 1 Mile SSW
AT686	DE3000000128656	1/2 - 1 Mile West
687	DE3000000035755	1/2 - 1 Mile East
AU688	DE3000000124790	1/2 - 1 Mile WNW
AU689	DE3000000124789	1/2 - 1 Mile WNW
AU690	DE3000000124788	1/2 - 1 Mile WNW
AU691	DE3000000124793	1/2 - 1 Mile WNW
AU692	DE3000000124792	1/2 - 1 Mile WNW
AU693	DE3000000124791	1/2 - 1 Mile WNW
AT694	DE3000000029921	1/2 - 1 Mile West
AT695	DE3000000030652	1/2 - 1 Mile West
AT696	DE3000000021963	1/2 - 1 Mile West
AT697	DE3000000021964	1/2 - 1 Mile West
AT698	DE3000000033307	1/2 - 1 Mile West
AT699	DE3000000033309	1/2 - 1 Mile West
AT700	DE3000000030657	1/2 - 1 Mile West
AT701	DE3000000030675	1/2 - 1 Mile West
AT702	DE3000000021934	1/2 - 1 Mile West
AT703	DE3000000008869	1/2 - 1 Mile West
AT704	DE3000000008871	1/2 - 1 Mile West
AT705	DE3000000008865	1/2 - 1 Mile West
AT706	DE3000000008867	1/2 - 1 Mile West
AT707	DE3000000021932	1/2 - 1 Mile West
AT708	DE3000000021933	1/2 - 1 Mile West
AT709	DE3000000008875	1/2 - 1 Mile West
AT710	DE3000000008876	1/2 - 1 Mile West
AT711	DE3000000033310	1/2 - 1 Mile West
AT712	DE3000000045045	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AT713	DE3000000045046	1/2 - 1 Mile West
AT714	DE3000000033332	1/2 - 1 Mile West
AT715	DE3000000033333	1/2 - 1 Mile West
AT716	DE3000000045050	1/2 - 1 Mile West
AT717	DE3000000045118	1/2 - 1 Mile West
AT718	DE3000000045047	1/2 - 1 Mile West
AT719	DE3000000045049	1/2 - 1 Mile West
AT720	DE3000000033331	1/2 - 1 Mile West
AT721	DE3000000033314	1/2 - 1 Mile West
AT722	DE3000000033326	1/2 - 1 Mile West
AT723	DE3000000033311	1/2 - 1 Mile West
AT724	DE3000000033312	1/2 - 1 Mile West
AT725	DE3000000033329	1/2 - 1 Mile West
AT726	DE3000000033330	1/2 - 1 Mile West
AT727	DE3000000033327	1/2 - 1 Mile West
AT728	DE3000000033328	1/2 - 1 Mile West
AV729	DE3000000022973	1/2 - 1 Mile WNW
AV730	DE3000000022972	1/2 - 1 Mile WNW
AV731	DE3000000022994	1/2 - 1 Mile WNW
AV732	DE3000000022974	1/2 - 1 Mile WNW
AV733	DE3000000022971	1/2 - 1 Mile WNW
AV734	DE3000000008873	1/2 - 1 Mile WNW
AV735	DE3000000008868	1/2 - 1 Mile WNW
AV736	DE3000000022970	1/2 - 1 Mile WNW
AV737	DE3000000022969	1/2 - 1 Mile WNW
AV738	DE3000000027420	1/2 - 1 Mile WNW
AV739	DE3000000033085	1/2 - 1 Mile WNW
AV740	DE3000000033084	1/2 - 1 Mile WNW
AV741	DE3000000033088	1/2 - 1 Mile WNW
AV742	DE3000000033087	1/2 - 1 Mile WNW
AV743	DE3000000033083	1/2 - 1 Mile WNW
AV744	DE3000000033080	1/2 - 1 Mile WNW
AV745	DE3000000033079	1/2 - 1 Mile WNW
AV746	DE3000000033082	1/2 - 1 Mile WNW
AV747	DE3000000033081	1/2 - 1 Mile WNW
AS748	DE3000000012444	1/2 - 1 Mile SSW
749	DE3000000154353	1/2 - 1 Mile WSW
AQ750	DE3000000138599	1/2 - 1 Mile North
AW751	DE3000000027476	1/2 - 1 Mile NNW
752	DE3000000142953	1/2 - 1 Mile North
AX753	DE3000000027331	1/2 - 1 Mile NNW
AR754	DE3000000138344	1/2 - 1 Mile WNW
755	DE3000000117933	1/2 - 1 Mile South
AY756	DE3000000023131	1/2 - 1 Mile NNW
757	DE3000000153136	1/2 - 1 Mile NNE
AS758	DE3000000152795	1/2 - 1 Mile SSW
AZ759	DE3000000001790	1/2 - 1 Mile NW
AZ760	DE3000000001791	1/2 - 1 Mile NW
BA761	DE3000000124549	1/2 - 1 Mile NNE
BA762	DE3000000124544	1/2 - 1 Mile NNE
BA763	DE3000000124545	1/2 - 1 Mile NNE
BA764	DE3000000124620	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AY765	DE3000000020814	1/2 - 1 Mile NNW
AY766	DE3000000020815	1/2 - 1 Mile NNW
AZ767	DE3000000119725	1/2 - 1 Mile NW
AZ768	DE3000000119726	1/2 - 1 Mile NW
AZ769	DE3000000119727	1/2 - 1 Mile NW
AW770	DE3000000026867	1/2 - 1 Mile NNW
AW771	DE3000000026868	1/2 - 1 Mile NNW
BB772	DE3000000107671	1/2 - 1 Mile SSW
BC773	DE3000000138345	1/2 - 1 Mile WNW
BC774	DE3000000138346	1/2 - 1 Mile WNW
AZ775	DE3000000112347	1/2 - 1 Mile NW
AZ776	DE3000000112348	1/2 - 1 Mile NW
BA777	DE3000000124539	1/2 - 1 Mile NNE
BA778	DE3000000124547	1/2 - 1 Mile NNE
BD779	DE3000000033306	1/2 - 1 Mile West
BD780	DE3000000026964	1/2 - 1 Mile West
BD781	DE3000000033313	1/2 - 1 Mile West
BD782	DE3000000033308	1/2 - 1 Mile West
BA783	DE3000000124543	1/2 - 1 Mile NNE
BE784	DE3000000142952	1/2 - 1 Mile North
BB785	DE3000000158338	1/2 - 1 Mile SSW
AX787	DE3000000028790	1/2 - 1 Mile NNW
788	DE3000000012442	1/2 - 1 Mile SSW
789	DE3000000144827	1/2 - 1 Mile SSW
BA790	DE3000000124534	1/2 - 1 Mile NNE
BF791	DE3000000024027	1/2 - 1 Mile NNW
BF792	DE3000000024028	1/2 - 1 Mile NNW
BF793	DE3000000024029	1/2 - 1 Mile NNW
BB794	DE3000000012441	1/2 - 1 Mile SSW
795	DE3000000129687	1/2 - 1 Mile ENE
BB796	DE3000000145935	1/2 - 1 Mile SSW
BB797	DE3000000145934	1/2 - 1 Mile SSW
BB798	DE3000000145933	1/2 - 1 Mile SSW
BB799	DE3000000145938	1/2 - 1 Mile SSW
BB800	DE3000000145937	1/2 - 1 Mile SSW
BB801	DE3000000145936	1/2 - 1 Mile SSW
BC802	DE3000000027458	1/2 - 1 Mile WNW
BG803	DE3000000112586	1/2 - 1 Mile NW
BG804	DE3000000112587	1/2 - 1 Mile NW
BG805	DE3000000112588	1/2 - 1 Mile NW
BH806	DE3000000135993	1/2 - 1 Mile West
BH807	DE3000000135994	1/2 - 1 Mile West
BI808	DE3000000023133	1/2 - 1 Mile NNW
BH809	DE3000000119363	1/2 - 1 Mile WNW
BH810	DE3000000119364	1/2 - 1 Mile WNW
BH811	DE3000000119365	1/2 - 1 Mile WNW
BH812	DE3000000119362	1/2 - 1 Mile WNW
BH813	DE3000000136002	1/2 - 1 Mile West
BG814	DE3000000001793	1/2 - 1 Mile NW
BG815	DE3000000001792	1/2 - 1 Mile NW
BG816	DE3000000001795	1/2 - 1 Mile NW
BG817	DE3000000001794	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

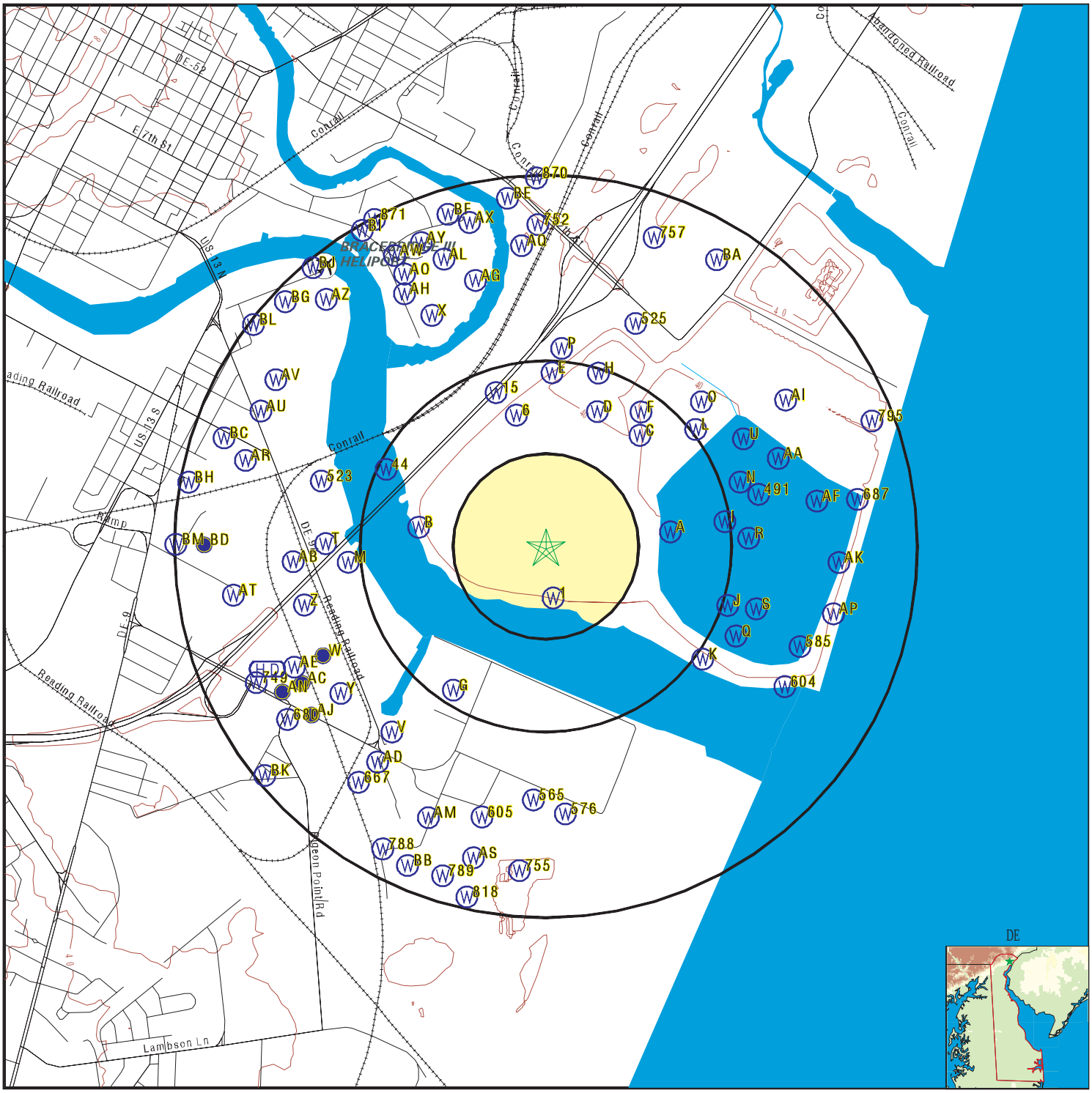
MAP ID	WELL ID	LOCATION FROM TP
818	DE3000000012443	1/2 - 1 Mile SSW
BD819	DE3000000026963	1/2 - 1 Mile West
BE820	DE3000000020447	1/2 - 1 Mile North
BJ821	DE3000000164205	1/2 - 1 Mile NW
BJ822	DE3000000164206	1/2 - 1 Mile NW
BJ823	DE3000000164207	1/2 - 1 Mile NW
BK824	DE3000000023107	1/2 - 1 Mile SW
BK825	DE3000000023108	1/2 - 1 Mile SW
BK826	DE3000000023106	1/2 - 1 Mile SW
BK827	DE3000000023102	1/2 - 1 Mile SW
BK828	DE3000000023105	1/2 - 1 Mile SW
BK829	DE3000000023112	1/2 - 1 Mile SW
BK830	DE3000000023113	1/2 - 1 Mile SW
BK831	DE3000000023111	1/2 - 1 Mile SW
BK832	DE3000000023109	1/2 - 1 Mile SW
BK833	DE3000000023110	1/2 - 1 Mile SW
BK834	DE3000000023101	1/2 - 1 Mile SW
BK835	DE3000000021979	1/2 - 1 Mile SW
BK836	DE3000000021989	1/2 - 1 Mile SW
BK837	DE3000000021975	1/2 - 1 Mile SW
BK838	DE3000000021962	1/2 - 1 Mile SW
BK839	DE3000000021974	1/2 - 1 Mile SW
BK840	DE3000000022162	1/2 - 1 Mile SW
BK841	DE3000000022163	1/2 - 1 Mile SW
BK842	DE3000000022161	1/2 - 1 Mile SW
BK843	DE3000000021992	1/2 - 1 Mile SW
BK844	DE3000000022160	1/2 - 1 Mile SW
BK845	DE3000000023128	1/2 - 1 Mile SW
BK846	DE3000000027460	1/2 - 1 Mile SW
BK847	DE3000000023127	1/2 - 1 Mile SW
BK848	DE3000000023125	1/2 - 1 Mile SW
BK849	DE3000000023126	1/2 - 1 Mile SW
BK850	DE3000000027464	1/2 - 1 Mile SW
BK851	DE3000000027465	1/2 - 1 Mile SW
BK852	DE3000000027463	1/2 - 1 Mile SW
BK853	DE3000000027461	1/2 - 1 Mile SW
BK854	DE3000000027462	1/2 - 1 Mile SW
BK855	DE3000000023124	1/2 - 1 Mile SW
BK856	DE3000000023117	1/2 - 1 Mile SW
BK857	DE3000000023118	1/2 - 1 Mile SW
BK858	DE3000000023116	1/2 - 1 Mile SW
BK859	DE3000000023114	1/2 - 1 Mile SW
BK860	DE3000000023115	1/2 - 1 Mile SW
BK861	DE3000000023122	1/2 - 1 Mile SW
BK862	DE3000000023123	1/2 - 1 Mile SW
BK863	DE3000000023121	1/2 - 1 Mile SW
BK864	DE3000000023119	1/2 - 1 Mile SW
BK865	DE3000000023120	1/2 - 1 Mile SW
BG866	DE3000000120727	1/2 - 1 Mile NW
BL867	DE3000000124156	1/2 - 1 Mile NW
BL868	DE3000000124157	1/2 - 1 Mile NW
BJ869	DE3000000148927	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
870	DE3000000145022	1/2 - 1 Mile North
871	DE3000000163713	1/2 - 1 Mile NNW
BH872	DE3000000136001	1/2 - 1 Mile West
BH873	DE3000000135997	1/2 - 1 Mile West
BH874	DE3000000135996	1/2 - 1 Mile West
BH875	DE3000000135995	1/2 - 1 Mile West
BH876	DE3000000136000	1/2 - 1 Mile West
BH877	DE3000000135999	1/2 - 1 Mile West
BH878	DE3000000135998	1/2 - 1 Mile West
BM879	DE3000000155466	1/2 - 1 Mile West
BM880	DE3000000155465	1/2 - 1 Mile West
BM881	DE3000000155468	1/2 - 1 Mile West
BM882	DE3000000155467	1/2 - 1 Mile West
BI883	DE3000000008265	1/2 - 1 Mile NNW
BI884	DE3000000008266	1/2 - 1 Mile NNW

PHYSICAL SETTING SOURCE MAP - 6778463.2s



County Boundary
Major Roads
Contour Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data

N

SITE NAME:	Wilmington Harbor North	CLIENT:	Environmental Standards Inc.
ADDRESS:	1706 E 12th Street Wilmington DE 19801	CONTACT:	Joe Kraycik
		INQUIRY #:	6778463.2s
LAT/LONG:	39.724604 / 75.524063	DATE:	December 07, 2021 3:35 pm

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
South
1/8 - 1/4 Mile
Lower

DE WELLS **DE3000000140428**

Permit #:	247044	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	27-MAY-14	Est Max Capacity:	0
Tax ID:	26-059.00-002	Septic Permit #:	NA
Well Authorization Code:	5138125	Proposed Drill Method:	Mud Rotary
Completion Report Date:	16-JUN-14	Pump:	Not Reported
Application Received:	14-MAY-14	Construction Review Date:	14-MAY-14
Permit Approval Date:	16-MAY-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	190
Actual Total Depth:	192	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	180
Screen Base:	190	Screen Material:	PVC
Inner Casing Base:	180	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	175
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	192	Gravel Top:	175
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	30	Water Level Date:	16-JUN-14
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60685835&Panel=ViewAll		

A2
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110757**

Permit #:	217690	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4628061	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	100
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173046&Panel=ViewAll		

A3
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110758**

Permit #:	217691	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4628061	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	100
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173047&Panel=ViewAll		

B4
West
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000035756**

Permit #:	178580	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-059.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-MAY-01	Construction Review Date:	10-MAY-01
Permit Approval Date:	10-MAY-01	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	76	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60096170&Panel=ViewAll		

B5
West
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000035757**

Permit #:	178581	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-059.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-MAY-01	Construction Review Date:	10-MAY-01

Permit Approval Date:	10-MAY-01	Est Daily Use:	0
Abandon Report Date:	06/05/2014	Total Proposed Depth:	0
Actual Total Depth:	171	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60096171&Panel=ViewAll		

6
NNW
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000124330**

Permit #:	231011	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-010	Septic Permit #:	n/a
Well Authorization Code:	4801362	Proposed Drill Method:	Mud Rotary
Completion Report Date:	21-MAY-10	Pump:	Not Reported
Application Received:	09-APR-10	Construction Review Date:	21-APR-10
Permit Approval Date:	21-APR-10	Est Daily Use:	0
Abandon Report Date:	05/21/2010	Total Proposed Depth:	74
Actual Total Depth:	74	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60575742&Panel=ViewAll		

C7
NE **DE WELLS** **DE3000000035753**
1/4 - 1/2 Mile
Higher

Permit #:	178583	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-MAY-01	Construction Review Date:	10-MAY-01
Permit Approval Date:	10-MAY-01	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	157	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60096167&Panel=ViewAll		

D8
NNE **DE WELLS** **DE3000000110495**
1/4 - 1/2 Mile
Higher

Permit #:	217430	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	3842643	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	156
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172503&Panel=ViewAll		

D9
NNE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110496**

Permit #:	217431	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	3842643	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	156
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172504&Panel=ViewAll		

D10
NNE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110497**

Permit #:	217432	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	3842643	Proposed Drill Method:	Mud Rotary
Completion Report Date:	30-JAN-13	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	01/23/2013	Total Proposed Depth:	156
Actual Total Depth:	74	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	1042		
Well Contractor:	Hillis-Carnes Engineering Associates Inc		
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172505&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C11
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110502**

Permit #:	217437	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4169443	Proposed Drill Method:	Mud Rotary
Completion Report Date:	30-JAN-13	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	01/23/2013	Total Proposed Depth:	175
Actual Total Depth:	184	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	1042		
Well Contractor:	Hillis-Carnes Engineering Associates Inc		
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172511&Panel=ViewAll		

C12
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110503**

Permit #:	217438	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4169443	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	175
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0

Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172512&Panel=ViewAll		

C13
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110504**

Permit #:	217439	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4169443	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	175
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No

Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172513&Panel=ViewAll		

E14
North
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000035754**

Permit #:	178584	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-MAY-01	Construction Review Date:	10-MAY-01
Permit Approval Date:	10-MAY-01	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	84	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60096168&Panel=ViewAll		

15
NNW
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000162078**

Permit #:	268625	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	15-JAN-20	Est Max Capacity:	0
Tax ID:	26-059.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	2952185	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported

Application Received:	15-JAN-20	Construction Review Date:	15-JAN-20
Permit Approval Date:	16-JAN-20	Est Daily Use:	0
Abandon Report Date:	01/27/2020	Total Proposed Depth:	20
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	This is a DelDOT project and this parcel was used just to obtain permit. There are six twenty foot soil borings in roadway of I-95.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60765181&Panel=ViewAll		

F16
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110499**

Permit #:	217434	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	3039816	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	183
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc

Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172508&Panel=ViewAll		

F17
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110500**

Permit #:	217435	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	3039816	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	183
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172509&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F18
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110501**

Permit #:	217436	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	3039816	Proposed Drill Method:	Mud Rotary
Completion Report Date:	30-JAN-13	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	01/22/2013	Total Proposed Depth:	183
Actual Total Depth:	76	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	1042		
Well Contractor:	Hillis-Carnes Engineering Associates Inc		
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172510&Panel=ViewAll		

G19
SSW
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000027428**

Permit #:	72645	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	21-JAN-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-JAN-88	Pump:	Not Reported
Application Received:	12-JAN-88	Construction Review Date:	12-JAN-88
Permit Approval Date:	12-JAN-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0

Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	477	Well Contractor:	J E Fritts & Associates Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087839&Panel=ViewAll		

G20
SSW
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000027427**

Permit #:	92676	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	15-SEP-92	Construction Review Date:	15-SEP-92
Permit Approval Date:	15-SEP-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No

Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087838&Panel=ViewAll		

G21
SSW **DE WELLS** **DE3000000027426**
1/4 - 1/2 Mile
Lower

Permit #:	72647	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	02-FEB-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	02-FEB-88	Pump:	Not Reported
Application Received:	12-JAN-88	Construction Review Date:	12-JAN-88
Permit Approval Date:	12-JAN-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	477	Well Contractor:	J E Fritts & Associates Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087837&Panel=ViewAll		

G22
SSW **DE WELLS** **DE3000000027431**
1/4 - 1/2 Mile
Lower

Permit #:	92674	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported

Application Received:	15-SEP-92	Construction Review Date:	15-SEP-92
Permit Approval Date:	15-SEP-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087842&Panel=ViewAll		

G23
SSW **DE WELLS** **DE3000000027430**
1/4 - 1/2 Mile
Lower

Permit #:	92673	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Voided
Est Construction Date:	14-OCT-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-OCT-92	Pump:	Not Reported
Application Received:	15-SEP-92	Construction Review Date:	15-SEP-92
Permit Approval Date:	15-SEP-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	7	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No

Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087841&Panel=ViewAll		

G24
SSW **DE WELLS** **DE3000000027429**
1/4 - 1/2 Mile
Lower

Permit #:	72646	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	21-JAN-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-JAN-88	Pump:	Not Reported
Application Received:	12-JAN-88	Construction Review Date:	12-JAN-88
Permit Approval Date:	12-JAN-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	477	Well Contractor:	J E Fritts & Associates Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087840&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G25
SSW
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000008872**

Permit #:	77834	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-MAR-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	28-MAR-88	Pump:	Not Reported
Application Received:	15-FEB-89	Construction Review Date:	15-FEB-89
Permit Approval Date:	15-FEB-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	120	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	104
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	98
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	120	Gravel Top:	103
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069271&Panel=ViewAll		

G26
SSW
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000008870**

Permit #:	77838	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-MAR-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	28-MAR-89	Pump:	Not Reported
Application Received:	15-FEB-89	Construction Review Date:	15-FEB-89
Permit Approval Date:	15-FEB-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	108	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	81
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	108	Gravel Top:	84
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069269&Panel=ViewAll		

G27
SSW
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000008866**

Permit #:	77841	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-MAR-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	28-MAR-89	Pump:	Not Reported
Application Received:	15-FEB-89	Construction Review Date:	15-FEB-89
Permit Approval Date:	15-FEB-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	56	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	56	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069265&Panel=ViewAll		

G28
SSW **DE WELLS** **DE3000000018639**
1/4 - 1/2 Mile
Lower

Permit #:	79827	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	27-NOV-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	27-NOV-89	Pump:	Not Reported
Application Received:	10-AUG-89	Construction Review Date:	10-AUG-89
Permit Approval Date:	10-AUG-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	98
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	97
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60079047&Panel=ViewAll		

G29
SSW **DE WELLS** **DE3000000018638**
1/4 - 1/2 Mile
Lower

Permit #:	79826	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-DEC-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	01-DEC-89	Pump:	Not Reported
Application Received:	10-AUG-89	Construction Review Date:	10-AUG-89

Permit Approval Date:	10-AUG-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	109	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	99
Screen Base:	109	Screen Material:	PVC
Inner Casing Base:	20	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	97
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	109	Gravel Top:	97
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60079046&Panel=ViewAll		

G30
SSW **DE WELLS** **DE3000000018637**
1/4 - 1/2 Mile
Lower

Permit #:	79825	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	20-NOV-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	20-NOV-89	Pump:	Not Reported
Application Received:	10-AUG-89	Construction Review Date:	10-AUG-89
Permit Approval Date:	10-AUG-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	46	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	31
Screen Base:	41	Screen Material:	PVC
Inner Casing Base:	21	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	29
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	41	Gravel Top:	29
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60079045&Panel=ViewAll		

G31
SSW **DE WELLS** **DE3000000030650**
1/4 - 1/2 Mile
Lower

Permit #:	63874	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	03-FEB-86	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	03-FEB-86	Pump:	Not Reported
Application Received:	22-JAN-86	Construction Review Date:	22-JAN-86
Permit Approval Date:	22-JAN-86	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091063&Panel=ViewAll		

G32
SSW **DE WELLS** **DE3000000028307**
1/4 - 1/2 Mile
Lower

Permit #:	79824	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	17-NOV-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	17-NOV-89	Pump:	Not Reported
Application Received:	10-AUG-89	Construction Review Date:	10-AUG-89
Permit Approval Date:	10-AUG-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	46	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	27
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	27
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60088718&Panel=ViewAll		

G33
SSW
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000027438**

Permit #:	92668	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	15-SEP-92	Construction Review Date:	15-SEP-92
Permit Approval Date:	15-SEP-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	7	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087849&Panel=ViewAll		

G34
SSW
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000033597**

Permit #:	108622	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	03-JUL-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	03-JUL-96	Pump:	Not Reported
Application Received:	18-JUN-96	Construction Review Date:	18-JUN-96
Permit Approval Date:	18-JUN-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60094011&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G35
SSW
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000030654**

Permit #:	63873	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	03-FEB-86	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	03-FEB-86	Pump:	Not Reported
Application Received:	22-JAN-86	Construction Review Date:	22-JAN-86
Permit Approval Date:	22-JAN-86	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	61
Screen Base:	71	Screen Material:	PVC
Inner Casing Base:	61	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	56
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	56
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091067&Panel=ViewAll		

G36
SSW
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000030653**

Permit #:	63872	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	23-JAN-86	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	23-JAN-86	Pump:	Not Reported
Application Received:	22-JAN-86	Construction Review Date:	22-JAN-86
Permit Approval Date:	22-JAN-86	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	120	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	120
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091066&Panel=ViewAll		

G37
SSW
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000027434**

Permit #:	92670	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Voided
Est Construction Date:	14-OCT-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-OCT-92	Pump:	Not Reported
Application Received:	15-SEP-92	Construction Review Date:	15-SEP-92
Permit Approval Date:	15-SEP-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	9	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087845&Panel=ViewAll		

G38
SSW **DE WELLS** **DE3000000027433**
1/4 - 1/2 Mile
Lower

Permit #:	92669	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Voided
Est Construction Date:	14-OCT-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-OCT-92	Pump:	Not Reported
Application Received:	15-SEP-92	Construction Review Date:	15-SEP-92
Permit Approval Date:	15-SEP-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	7	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087844&Panel=ViewAll		

G39
SSW **DE WELLS** **DE3000000027432**
1/4 - 1/2 Mile
Lower

Permit #:	92675	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	15-SEP-92	Construction Review Date:	15-SEP-92

Permit Approval Date:	15-SEP-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087843&Panel=ViewAll		

G40
SSW **DE WELLS** **DE3000000027437**
1/4 - 1/2 Mile
Lower

Permit #:	92667	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Voided
Est Construction Date:	14-OCT-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-OCT-92	Pump:	Not Reported
Application Received:	15-SEP-92	Construction Review Date:	15-SEP-92
Permit Approval Date:	15-SEP-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	5	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087848&Panel=ViewAll		

G41
SSW **DE WELLS** **DE3000000027436**
1/4 - 1/2 Mile
Lower

Permit #:	92672	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Voided
Est Construction Date:	14-OCT-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-OCT-92	Pump:	Not Reported
Application Received:	15-SEP-92	Construction Review Date:	15-SEP-92
Permit Approval Date:	15-SEP-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	7	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087847&Panel=ViewAll		

G42
SSW **DE WELLS** **DE3000000027435**
1/4 - 1/2 Mile
Lower

Permit #:	92671	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Voided

Est Construction Date:	14-OCT-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-OCT-92	Pump:	Not Reported
Application Received:	15-SEP-92	Construction Review Date:	15-SEP-92
Permit Approval Date:	15-SEP-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	7	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087846&Panel=ViewAll		

H43
NNE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110498**

Permit #:	217433	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4257414	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	72
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172507&Panel=ViewAll		

44
WNW **DE WELLS** **DE3000000044600**
1/4 - 1/2 Mile
Lower

Permit #:	189567	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	15-OCT-02	Est Max Capacity:	0
Tax ID:	26-059.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	15-OCT-02	Pump:	Not Reported
Application Received:	30-SEP-02	Construction Review Date:	30-SEP-02
Permit Approval Date:	30-SEP-02	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	33	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	24
Well Terminus Type:	None	Screen Top:	28
Screen Base:	33	Screen Material:	PVC
Inner Casing Base:	33	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	13
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	33	Gravel Top:	13
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60105016&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H45
NNE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110493**

Permit #:	217428	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	5135236	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	45
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172501&Panel=ViewAll		

H46
NNE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110494**

Permit #:	217429	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	5135236	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	45
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172502&Panel=ViewAll		

I47
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110525**

Permit #:	217460	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172541&Panel=ViewAll		

I48
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110524**

Permit #:	217459	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172540&Panel=ViewAll		

I49
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110523**

Permit #:	217458	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06

Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172539&Panel=ViewAll		

I50
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110528**

Permit #:	217463	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172544&Panel=ViewAll		

I51
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110527**

Permit #:	217462	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172543&Panel=ViewAll		

I52
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110526**

Permit #:	217461	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172542&Panel=ViewAll		

J53
ESE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110880**

Permit #:	217813	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4558845	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	165
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173215&Panel=ViewAll		

J54
ESE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110881**

Permit #:	217814	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4558845	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	165
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173216&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J55
ESE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110879**

Permit #:	217812	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4558845	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	165
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173214&Panel=ViewAll		

J56
ESE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110877**

Permit #:	217810	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4558845	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	165
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173212&Panel=ViewAll		

J57
ESE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110878**

Permit #:	217811	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4558845	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	165
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173213&Panel=ViewAll		

J58
ESE **DE WELLS** **DE3000000110885**
1/4 - 1/2 Mile
Higher

Permit #:	217818	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4558845	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	165
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173220&Panel=ViewAll		

J59
ESE **DE WELLS** **DE3000000110886**
1/4 - 1/2 Mile
Higher

Permit #:	217819	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4558845	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07

Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	165
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173221&Panel=ViewAll		

J60
ESE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110884**

Permit #:	217817	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4558845	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	165
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173219&Panel=ViewAll		

J61
ESE **DE WELLS** **DE3000000110882**
1/4 - 1/2 Mile
Higher

Permit #:	217815	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4558845	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	165
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173217&Panel=ViewAll		

J62
ESE **DE WELLS** **DE3000000110883**
1/4 - 1/2 Mile
Higher

Permit #:	217816	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4558845	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	165
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173218&Panel=ViewAll		

H63
NNE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110750**

Permit #:	217683	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	140
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173039&Panel=ViewAll		

H64
NNE **DE WELLS** **DE3000000110751**
1/4 - 1/2 Mile
Higher

Permit #:	217684	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	140
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173040&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H65
NNE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110749**

Permit #:	217682	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	140
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173038&Panel=ViewAll		

H66
NNE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110747**

Permit #:	217680	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	140
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173036&Panel=ViewAll		

H67
NNE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110748**

Permit #:	217681	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	140
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173037&Panel=ViewAll		

H68
NNE **DE WELLS** **DE3000000110755**
1/4 - 1/2 Mile
Higher

Permit #:	217688	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	140
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173044&Panel=ViewAll		

H69
NNE **DE WELLS** **DE3000000110756**
1/4 - 1/2 Mile
Higher

Permit #:	217689	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-JAN-07	Construction Review Date:	11-JAN-07

Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	140
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173045&Panel=ViewAll		

H70
NNE
1/4 - 1/2 Mile
Higher

DE WELLS **DE3000000110754**

Permit #:	217687	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	140
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173043&Panel=ViewAll		

H71
NNE **DE WELLS** **DE3000000110752**
1/4 - 1/2 Mile
Higher

Permit #:	217685	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	140
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173041&Panel=ViewAll		

H72
NNE **DE WELLS** **DE3000000110753**
1/4 - 1/2 Mile
Higher

Permit #:	217686	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	140
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173042&Panel=ViewAll		

K73
SE
1/4 - 1/2 Mile
Lower

DE WELLS **DE3000000140429**

Permit #:	247045	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	27-MAY-14	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	NA
Well Authorization Code:	5145599	Proposed Drill Method:	Mud Rotary
Completion Report Date:	16-JUN-14	Pump:	Not Reported
Application Received:	14-MAY-14	Construction Review Date:	14-MAY-14
Permit Approval Date:	16-MAY-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	180
Actual Total Depth:	185	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	172
Screen Base:	182	Screen Material:	PVC
Inner Casing Base:	172	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	168
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	185	Gravel Top:	168
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60685836&Panel=ViewAll		

E74
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000154355**

Permit #:	260903	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	77
Tax ID:	26-052.00-016	Septic Permit #:	Not Reported
Well Authorization Code:	4142963	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	31-JAN-18	Construction Review Date:	01-MAR-18
Permit Approval Date:	01-MAR-18	Est Daily Use:	110000
Abandon Report Date:	Not Reported	Total Proposed Depth:	20
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5257	Well Contractor:	Doug Trencher
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	Yes
Require Alloc Permit:	YES	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	Yes	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60736593&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L75
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110745**

Permit #:	217678	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4146473	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	140
Actual Total Depth:	140	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173034&Panel=ViewAll		

L76
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110746**

Permit #:	217679	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4146473	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	140
Actual Total Depth:	140	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173035&Panel=ViewAll		

J77
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110860**

Permit #:	217793	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4565520	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	162
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173195&Panel=ViewAll		

J78
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110861**

Permit #:	217794	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4565520	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	162
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173196&Panel=ViewAll		

J79
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110859**

Permit #:	217792	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4565520	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07

Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	162
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173194&Panel=ViewAll		

J80
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110857**

Permit #:	217790	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4565520	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	162
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173192&Panel=ViewAll		

J81
ESE **DE WELLS** **DE3000000110858**
1/2 - 1 Mile
Higher

Permit #:	217791	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4565520	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	162
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173193&Panel=ViewAll		

J82
ESE **DE WELLS** **DE3000000110865**
1/2 - 1 Mile
Higher

Permit #:	217798	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4565520	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	162
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173200&Panel=ViewAll		

J83
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110866**

Permit #:	217799	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4565520	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	162
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173201&Panel=ViewAll		

J84
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110864**

Permit #:	217797	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4565520	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	162
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173199&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J85
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110862**

Permit #:	217795	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4565520	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	162
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173197&Panel=ViewAll		

J86
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110863**

Permit #:	217796	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4565520	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	162
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173198&Panel=ViewAll		

M87
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000157377**

Permit #:	263916	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	01-DEC-18	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	n/a
Well Authorization Code:	4081121	Proposed Drill Method:	Geo-Probe
Completion Report Date:	11-JAN-19	Pump:	Not Reported
Application Received:	29-OCT-18	Construction Review Date:	07-NOV-18
Permit Approval Date:	07-NOV-18	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	36
Well Terminus Type:	Other	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	6
Grout Top:	0	Grout Material:	Bentonite Pellets
Gravel Base:	12	Gravel Top:	6
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	7	Water Level Date:	11-JAN-19
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5368	Well Contractor:	Environmental Field Service
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	Direct Push 2" MW using 10' of pre packed well screen total depth 12' bgs		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60747881&Panel=ViewAll		

M88
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000157376**

Permit #:	263915	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	01-DEC-18	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	n/a
Well Authorization Code:	4081121	Proposed Drill Method:	Geo-Probe
Completion Report Date:	04-JAN-19	Pump:	Not Reported
Application Received:	29-OCT-18	Construction Review Date:	07-NOV-18
Permit Approval Date:	07-NOV-18	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	36
Well Terminus Type:	Other	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	6
Grout Top:	0	Grout Material:	Bentonite Pellets
Gravel Base:	12	Gravel Top:	6
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	7	Water Level Date:	11-JAN-19
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5368	Well Contractor:	Environmental Field Service
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	Direct Push 2" MW using 10' of pre packed well screen total depth 12' bgs		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60747880&Panel=ViewAll		

M89
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000157378**

Permit #:	263917	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	01-DEC-18	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	n/a
Well Authorization Code:	4081121	Proposed Drill Method:	Geo-Probe

Completion Report Date:	04-JAN-19	Pump:	Not Reported
Application Received:	29-OCT-18	Construction Review Date:	07-NOV-18
Permit Approval Date:	07-NOV-18	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	-3
Well Terminus Type:	Pad Mount	Screen Top:	6
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	6	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	6
Grout Top:	0	Grout Material:	Bentonite Pellets
Gravel Base:	12	Gravel Top:	6
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	7	Water Level Date:	11-JAN-19
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5368	Well Contractor:	Environmental Field Service
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	Direct Push 2" MW using 10’ of pre packed well screen total depth 12’ bgs		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60747882&Panel=ViewAll		

M90
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000157380**

Permit #:	263919	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	01-DEC-18	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	n/a
Well Authorization Code:	4081121	Proposed Drill Method:	Geo-Probe
Completion Report Date:	04-JAN-19	Pump:	Not Reported
Application Received:	29-OCT-18	Construction Review Date:	07-NOV-18
Permit Approval Date:	07-NOV-18	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	-3
Well Terminus Type:	Pad Mount	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	6
Grout Top:	0	Grout Material:	Bentonite Pellets
Gravel Base:	12	Gravel Top:	6
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	7	Water Level Date:	11-JAN-19
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5368	Well Contractor:	Environmental Field Service

Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	Direct Push 2" MW using 10’ of pre packed well screen total depth 12’ bgs		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60747884&Panel=ViewAll		

M91
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000157379**

Permit #:	263918	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	01-DEC-18	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	n/a
Well Authorization Code:	4081121	Proposed Drill Method:	Geo-Probe
Completion Report Date:	04-JAN-19	Pump:	Not Reported
Application Received:	29-OCT-18	Construction Review Date:	07-NOV-18
Permit Approval Date:	07-NOV-18	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	-3
Well Terminus Type:	Pad Mount	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	6
Grout Top:	0	Grout Material:	Bentonite Pellets
Gravel Base:	12	Gravel Top:	6
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	7	Water Level Date:	11-JAN-19
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5368	Well Contractor:	Environmental Field Service
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	Direct Push 2" MW using 10’ of pre packed well screen total depth 12’ bgs		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60747883&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M92
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000141032**

Permit #:	247646	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Completed
Est Construction Date:	14-JUL-14	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	6667965	Proposed Drill Method:	Augered
Completion Report Date:	30-JUL-14	Pump:	Not Reported
Application Received:	07-JUL-14	Construction Review Date:	07-JUL-14
Permit Approval Date:	10-JUL-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	100
Actual Total Depth:	95	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	None
Inner Casing Base:	95	Inner Casing Top:	0
Inner Casing Material:	None	Grout Base:	95
Grout Top:	0	Grout Material:	Bentonite/Cement Mixture
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5522	Well Contractor:	CGC Geoservices
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60688039&Panel=ViewAll		

M93
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000140713**

Permit #:	247326	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Completed
Est Construction Date:	09-JUN-14	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	3689699	Proposed Drill Method:	Augered
Completion Report Date:	19-JUN-14	Pump:	Not Reported
Application Received:	09-JUN-14	Construction Review Date:	10-JUN-14
Permit Approval Date:	10-JUN-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	50
Actual Total Depth:	50	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	48

Screen Base:	49	Screen Material:	PVC
Inner Casing Base:	48	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	48
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	50	Gravel Top:	48
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	6	Water Level Date:	20-JUN-14
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60686925&Panel=ViewAll		

M94
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000140714**

Permit #:	247327	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Completed
Est Construction Date:	09-JUN-14	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	3689699	Proposed Drill Method:	Augered
Completion Report Date:	19-JUN-14	Pump:	Not Reported
Application Received:	09-JUN-14	Construction Review Date:	10-JUN-14
Permit Approval Date:	10-JUN-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	50
Actual Total Depth:	50	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	48
Screen Base:	49	Screen Material:	PVC
Inner Casing Base:	48	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	48
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	50	Gravel Top:	48
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	6	Water Level Date:	20-JUN-14
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60686926&Panel=ViewAll		

M95
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000140715**

Permit #:	247328	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	09-JUN-14	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JUN-14	Construction Review Date:	09-JUN-14
Permit Approval Date:	10-JUN-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	120
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60686927&Panel=ViewAll		

J96
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110850**

Permit #:	217783	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4767981	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07

Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	150
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173185&Panel=ViewAll		

J97
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110851**

Permit #:	217784	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4767981	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	150
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173186&Panel=ViewAll		

J98
ESE **DE WELLS** **DE3000000110848**
1/2 - 1 Mile
Higher

Permit #:	217781	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4767981	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	150
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173183&Panel=ViewAll		

J99
ESE **DE WELLS** **DE3000000110849**
1/2 - 1 Mile
Higher

Permit #:	217782	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4767981	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	150
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173184&Panel=ViewAll		

J100
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110852**

Permit #:	217785	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4767981	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	150
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173187&Panel=ViewAll		

J101
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110855**

Permit #:	217788	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4767981	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	150
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173190&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J102
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110856**

Permit #:	217789	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4767981	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	150
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173191&Panel=ViewAll		

J103
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110853**

Permit #:	217786	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4767981	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	150
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173188&Panel=ViewAll		

J104
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110854**

Permit #:	217787	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4767981	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	150
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173189&Panel=ViewAll		

M105
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000140674**

Permit #:	247288	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Voided
Est Construction Date:	09-JUN-14	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	05-JUN-14	Construction Review Date:	05-JUN-14
Permit Approval Date:	Not Reported	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	100
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60686809&Panel=ViewAll		

N106
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110963**

Permit #:	217895	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4698392	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07

Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173328&Panel=ViewAll		

N107
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110964**

Permit #:	217896	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4698392	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173329&Panel=ViewAll		

M108
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000140672**

Permit #:	247286	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Completed
Est Construction Date:	09-JUN-14	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	4091321	Proposed Drill Method:	Augered
Completion Report Date:	14-JUL-14	Pump:	Not Reported
Application Received:	05-JUN-14	Construction Review Date:	05-JUN-14
Permit Approval Date:	05-JUN-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	31	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	29
Screen Base:	30	Screen Material:	PVC
Inner Casing Base:	29	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	29
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	31	Gravel Top:	29
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	6	Water Level Date:	09-OCT-14
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60686805&Panel=ViewAll		

M109
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000140673**

Permit #:	247287	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Completed

Est Construction Date:	09-JUN-14	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	4091321	Proposed Drill Method:	Augered
Completion Report Date:	14-JUL-14	Pump:	Not Reported
Application Received:	05-JUN-14	Construction Review Date:	05-JUN-14
Permit Approval Date:	05-JUN-14	Est Daily Use:	0
Abandon Report Date:	07/16/2014	Total Proposed Depth:	30
Actual Total Depth:	41	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	39
Screen Base:	40	Screen Material:	PVC
Inner Casing Base:	39	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	18
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	41	Gravel Top:	18
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	6	Water Level Date:	09-OCT-14
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60686806&Panel=ViewAll		

O110
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000111177**

Permit #:	218109	Local Well ID:	0
Well Type:	Remediation I - Injection	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	11-JAN-07	Construction Review Date:	08-FEB-07
Permit Approval Date:	08-FEB-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	Yes	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173769&Panel=ViewAll		

O111
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000111176**

Permit #:	218108	Local Well ID:	0
Well Type:	Remediation I - Injection	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	11-JAN-07	Construction Review Date:	08-FEB-07
Permit Approval Date:	08-FEB-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	Yes	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173768&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O112
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000111179**

Permit #:	218111	Local Well ID:	0
Well Type:	Remediation I - Injection	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	11-JAN-07	Construction Review Date:	08-FEB-07
Permit Approval Date:	08-FEB-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	Yes	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173771&Panel=ViewAll		

O113
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000111178**

Permit #:	218110	Local Well ID:	0
Well Type:	Remediation I - Injection	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	11-JAN-07	Construction Review Date:	08-FEB-07
Permit Approval Date:	08-FEB-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	Yes	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173770&Panel=ViewAll		

P114
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000022108**

Permit #:	169322	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-016	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	03-DEC-99	Construction Review Date:	03-DEC-99
Permit Approval Date:	03-DEC-99	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	12
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082519&Panel=ViewAll		

P115
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000022109**

Permit #:	169323	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-016	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	03-DEC-99	Construction Review Date:	03-DEC-99
Permit Approval Date:	03-DEC-99	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	12
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082520&Panel=ViewAll		

Q116
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110825**

Permit #:	217758	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4207872	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	22-JAN-07

Permit Approval Date:	22-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173160&Panel=ViewAll		

Q117
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110826**

Permit #:	217759	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4207872	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	22-JAN-07
Permit Approval Date:	22-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173161&Panel=ViewAll		

Q118
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110824**

Permit #:	217757	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4207872	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	22-JAN-07
Permit Approval Date:	22-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173159&Panel=ViewAll		

Q119
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110822**

Permit #:	217755	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4207872	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	22-JAN-07
Permit Approval Date:	22-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173157&Panel=ViewAll		

Q120
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110823**

Permit #:	217756	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4207872	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	22-JAN-07
Permit Approval Date:	22-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173158&Panel=ViewAll		

Q121
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110830**

Permit #:	217763	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4207872	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	22-JAN-07
Permit Approval Date:	22-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173165&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q122
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110831**

Permit #:	217764	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4207872	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	22-JAN-07
Permit Approval Date:	22-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173166&Panel=ViewAll		

Q123
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110829**

Permit #:	217762	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4207872	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	22-JAN-07
Permit Approval Date:	22-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173164&Panel=ViewAll		

Q124
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110827**

Permit #:	217760	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4207872	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	22-JAN-07
Permit Approval Date:	22-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173162&Panel=ViewAll		

Q125
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110828**

Permit #:	217761	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4207872	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	22-JAN-07
Permit Approval Date:	22-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	130
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173163&Panel=ViewAll		

J126
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110888**

Permit #:	217821	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4552606	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07

Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	137
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173223&Panel=ViewAll		

J127
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110887**

Permit #:	217820	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4552606	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	137
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173222&Panel=ViewAll		

J128
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110890**

Permit #:	217823	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4552606	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	137
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173225&Panel=ViewAll		

J129
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110889**

Permit #:	217822	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4552606	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	18-JAN-07
Permit Approval Date:	18-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	137
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173224&Panel=ViewAll		

K130
SE
1/2 - 1 Mile
Lower

DE WELLS **DE3000000135412**

Permit #:	242063	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	28-JAN-13	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4215046	Proposed Drill Method:	Mud Rotary
Completion Report Date:	16-JUN-14	Pump:	Not Reported
Application Received:	10-JAN-13	Construction Review Date:	10-JAN-13
Permit Approval Date:	23-JAN-13	Est Daily Use:	0
Abandon Report Date:	06/05/2014	Total Proposed Depth:	180
Actual Total Depth:	180	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60668365&Panel=ViewAll		

M131
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000140665**

Permit #:	247279	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	09-JUN-14	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	4115753	Proposed Drill Method:	Augered
Completion Report Date:	19-JUN-14	Pump:	Not Reported
Application Received:	04-JUN-14	Construction Review Date:	05-JUN-14
Permit Approval Date:	05-JUN-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	50	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	29
Screen Base:	49	Screen Material:	PVC
Inner Casing Base:	29	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	25
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	50	Gravel Top:	25
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	6	Water Level Date:	20-JUN-14
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60686781&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R132
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110516**

Permit #:	217451	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172532&Panel=ViewAll		

R133
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110517**

Permit #:	217452	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172533&Panel=ViewAll		

R134
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110515**

Permit #:	217450	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172531&Panel=ViewAll		

R135
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110513**

Permit #:	217448	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172529&Panel=ViewAll		

R136
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110514**

Permit #:	217449	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06

Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172530&Panel=ViewAll		

R137
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110521**

Permit #:	217456	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172537&Panel=ViewAll		

R138
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110522**

Permit #:	217457	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172538&Panel=ViewAll		

R139
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110520**

Permit #:	217455	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172536&Panel=ViewAll		

R140
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110518**

Permit #:	217453	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172534&Panel=ViewAll		

R141
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110519**

Permit #:	217454	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-06	Construction Review Date:	11-DEC-06
Permit Approval Date:	11-DEC-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172535&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q142
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110815**

Permit #:	217748	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4586064	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	83
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173150&Panel=ViewAll		

Q143
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110816**

Permit #:	217749	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4586064	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	83
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173151&Panel=ViewAll		

Q144
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110814**

Permit #:	217747	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4586064	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	83
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173149&Panel=ViewAll		

Q145
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110812**

Permit #:	217745	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4586064	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	83
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173147&Panel=ViewAll		

Q146
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110813**

Permit #:	217746	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4586064	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07

Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	83
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173148&Panel=ViewAll		

Q147
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110820**

Permit #:	217753	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4586064	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	83
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173155&Panel=ViewAll		

Q148
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110821**

Permit #:	217754	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4586064	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	83
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173156&Panel=ViewAll		

Q149
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110819**

Permit #:	217752	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4586064	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	83
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173154&Panel=ViewAll		

Q150
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110817**

Permit #:	217750	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4586064	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	83
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173152&Panel=ViewAll		

Q151
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110818**

Permit #:	217751	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4586064	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	83
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173153&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M152
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000140654**

Permit #:	247269	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Permit Expired
Est Construction Date:	04-JUN-14	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	04-JUN-14	Construction Review Date:	04-JUN-14
Permit Approval Date:	04-JUN-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	150
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60686752&Panel=ViewAll		

N153
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110956**

Permit #:	217888	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4282143	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173321&Panel=ViewAll		

N154
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110957**

Permit #:	217889	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4282143	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173322&Panel=ViewAll		

N155
ENE **DE WELLS** **DE3000000110955**
1/2 - 1 Mile
Higher

Permit #:	217887	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4282143	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173320&Panel=ViewAll		

N156
ENE **DE WELLS** **DE3000000110953**
1/2 - 1 Mile
Higher

Permit #:	217885	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4282143	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07

Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173318&Panel=ViewAll		

N157
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110954**

Permit #:	217886	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4282143	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173319&Panel=ViewAll		

N158
ENE **DE WELLS** **DE3000000110961**
1/2 - 1 Mile
Higher

Permit #:	217893	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4282143	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173326&Panel=ViewAll		

N159
ENE **DE WELLS** **DE3000000110962**
1/2 - 1 Mile
Higher

Permit #:	217894	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4282143	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173327&Panel=ViewAll		

N160
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110960**

Permit #:	217892	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4282143	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173325&Panel=ViewAll		

N161
ENE **DE WELLS** **DE3000000110958**
1/2 - 1 Mile
Higher

Permit #:	217890	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4282143	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173323&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

N162
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110959**

Permit #:	217891	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4282143	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173324&Panel=ViewAll		

Q163
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110842**

Permit #:	217775	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4591019	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	109
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173177&Panel=ViewAll		

Q164
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110843**

Permit #:	217776	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4591019	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	109
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173178&Panel=ViewAll		

Q165
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110840**

Permit #:	217773	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4591019	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	109
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173175&Panel=ViewAll		

Q166
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110841**

Permit #:	217774	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4591019	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07

Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	109
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173176&Panel=ViewAll		

Q167
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110846**

Permit #:	217779	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4591019	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	109
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173181&Panel=ViewAll		

Q168
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110847**

Permit #:	217780	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4591019	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	109
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173182&Panel=ViewAll		

Q169
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110844**

Permit #:	217777	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4591019	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	109
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173179&Panel=ViewAll		

Q170
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110845**

Permit #:	217778	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4591019	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	109
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173180&Panel=ViewAll		

M171
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000141031**

Permit #:	247645	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Completed
Est Construction Date:	14-JUL-14	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	6661778	Proposed Drill Method:	Augered
Completion Report Date:	30-JUL-14	Pump:	Not Reported
Application Received:	07-JUL-14	Construction Review Date:	07-JUL-14
Permit Approval Date:	10-JUL-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	100
Actual Total Depth:	91	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	None
Inner Casing Base:	91	Inner Casing Top:	0
Inner Casing Material:	None	Grout Base:	91
Grout Top:	0	Grout Material:	Bentonite/Cement Mixture
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5522	Well Contractor:	CGC Geoservices
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60688037&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M172
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000141072**

Permit #:	247686	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	14-JUL-14	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	4287585	Proposed Drill Method:	Augered
Completion Report Date:	24-JUL-14	Pump:	Not Reported
Application Received:	09-JUL-14	Construction Review Date:	10-JUL-14
Permit Approval Date:	10-JUL-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	50
Actual Total Depth:	50	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Other	Screen Top:	50
Screen Base:	50	Screen Material:	Steel
Inner Casing Base:	50	Inner Casing Top:	48
Inner Casing Material:	Steel	Grout Base:	47
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	50	Gravel Top:	47
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	30	Water Level Date:	25-JUL-14
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60688169&Panel=ViewAll		

O173
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043918**

Permit #:	57626	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	26	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	24

Screen Base:	26	Screen Material:	Steel
Inner Casing Base:	25	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	28	Gravel Top:	20
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104334&Panel=ViewAll		

O174
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043919**

Permit #:	62464	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	27-AUG-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	27-AUG-85	Pump:	Not Reported
Application Received:	23-AUG-85	Construction Review Date:	23-AUG-85
Permit Approval Date:	23-AUG-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	7	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3
Screen Base:	7	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	7	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104335&Panel=ViewAll		

O175
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043920**

Permit #:	60700	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	07-MAY-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	07-MAY-85	Pump:	Not Reported
Application Received:	22-APR-85	Construction Review Date:	22-APR-85
Permit Approval Date:	22-APR-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	54
Screen Base:	64	Screen Material:	PVC
Inner Casing Base:	54	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	52
Grout Top:	2	Grout Material:	Bentonite
Gravel Base:	70	Gravel Top:	52
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104336&Panel=ViewAll		

O176
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043917**

Permit #:	57622	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84

Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	12	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	28	Gravel Top:	20
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104333&Panel=ViewAll		

O177
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043914**

Permit #:	57628	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	26	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	24
Screen Base:	26	Screen Material:	Steel
Inner Casing Base:	25	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	28	Gravel Top:	20
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104330&Panel=ViewAll		

O178
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043915**

Permit #:	57629	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	8
Screen Base:	10	Screen Material:	Steel
Inner Casing Base:	9	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	12	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104331&Panel=ViewAll		

O179
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043916**

Permit #:	60134	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	27-FEB-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	27-FEB-85	Pump:	Not Reported
Application Received:	05-MAR-85	Construction Review Date:	05-MAR-85
Permit Approval Date:	05-MAR-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104332&Panel=ViewAll		

O180
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043921**

Permit #:	60701	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	08-MAY-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	08-MAY-85	Pump:	Not Reported
Application Received:	22-APR-85	Construction Review Date:	22-APR-85
Permit Approval Date:	22-APR-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	30
Grout Top:	2	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	30
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104337&Panel=ViewAll		

O181
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043926**

Permit #:	62458	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	22-AUG-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	22-AUG-85	Pump:	Not Reported
Application Received:	23-AUG-85	Construction Review Date:	23-AUG-85
Permit Approval Date:	23-AUG-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	8	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3
Screen Base:	8	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	8	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104342&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O182
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043927**

Permit #:	62459	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	22-AUG-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	22-AUG-85	Pump:	Not Reported
Application Received:	23-AUG-85	Construction Review Date:	23-AUG-85
Permit Approval Date:	23-AUG-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	9	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3
Screen Base:	9	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	9	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104343&Panel=ViewAll		

O183
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043928**

Permit #:	63153	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	23-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	23-OCT-85	Pump:	Not Reported
Application Received:	25-OCT-85	Construction Review Date:	25-OCT-85
Permit Approval Date:	25-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	43	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	34
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	43	Gravel Top:	34
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104344&Panel=ViewAll		

O184
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043925**

Permit #:	62457	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	27-AUG-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	27-AUG-85	Pump:	Not Reported
Application Received:	23-AUG-85	Construction Review Date:	23-AUG-85
Permit Approval Date:	23-AUG-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	8	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3
Screen Base:	8	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	8	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104341&Panel=ViewAll		

O185
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043922**

Permit #:	62460	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	22-AUG-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	22-AUG-85	Pump:	Not Reported
Application Received:	23-AUG-85	Construction Review Date:	23-AUG-85
Permit Approval Date:	23-AUG-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3
Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	13	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104338&Panel=ViewAll		

O186
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043923**

Permit #:	62461	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	23-AUG-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	23-AUG-85	Pump:	Not Reported
Application Received:	23-AUG-85	Construction Review Date:	23-AUG-85

Permit Approval Date:	23-AUG-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	15	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104339&Panel=ViewAll		

O187
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043924**

Permit #:	62462	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	23-AUG-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	23-AUG-85	Pump:	Not Reported
Application Received:	23-AUG-85	Construction Review Date:	23-AUG-85
Permit Approval Date:	23-AUG-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	15	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104340&Panel=ViewAll		

O188
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043901**

Permit #:	57641	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	26	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	24
Screen Base:	26	Screen Material:	Steel
Inner Casing Base:	25	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	28	Gravel Top:	20
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104317&Panel=ViewAll		

O189
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043904**

Permit #:	57637	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	18
Screen Base:	20	Screen Material:	Steel
Inner Casing Base:	19	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	22	Gravel Top:	14
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104320&Panel=ViewAll		

O190
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043905**

Permit #:	57639	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	26	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	24
Screen Base:	26	Screen Material:	Steel
Inner Casing Base:	25	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	28	Gravel Top:	20
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104321&Panel=ViewAll		

O191
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043900**

Permit #:	55716	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	29-NOV-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	29-NOV-83	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83
Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104316&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O192
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043897**

Permit #:	55719	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	19-DEC-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	19-DEC-83	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83
Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	50	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104313&Panel=ViewAll		

O193
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043898**

Permit #:	55714	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	20-DEC-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	20-DEC-83	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83
Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	45	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104314&Panel=ViewAll		

O194
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043899**

Permit #:	55715	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	13-NOV-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	13-NOV-83	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83
Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104315&Panel=ViewAll		

O195
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043906**

Permit #:	57640	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	12	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	15	Gravel Top:	7
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104322&Panel=ViewAll		

O196
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043911**

Permit #:	57632	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84

Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	12	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	15	Gravel Top:	7
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104327&Panel=ViewAll		

O197
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043912**

Permit #:	57633	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	26	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	24
Screen Base:	26	Screen Material:	Steel
Inner Casing Base:	25	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	28	Gravel Top:	20
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104328&Panel=ViewAll		

O198
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043913**

Permit #:	57627	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	1	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	12	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	15	Gravel Top:	7
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104329&Panel=ViewAll		

O199
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043910**

Permit #:	57631	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	31-JUL-85	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-85	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	30	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	28
Screen Base:	30	Screen Material:	Steel
Inner Casing Base:	29	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	32	Gravel Top:	24
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104326&Panel=ViewAll		

O200
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043907**

Permit #:	57634	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	18
Screen Base:	20	Screen Material:	Steel
Inner Casing Base:	19	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	22	Gravel Top:	14
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104323&Panel=ViewAll		

O201
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043908**

Permit #:	57635	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	12	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	15	Gravel Top:	7
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104324&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O202
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043909**

Permit #:	57636	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	26	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	24
Screen Base:	26	Screen Material:	Steel
Inner Casing Base:	25	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	28	Gravel Top:	20
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104325&Panel=ViewAll		

O203
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043948**

Permit #:	63062	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	22-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	22-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	16	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	8
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	16	Gravel Top:	8
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104364&Panel=ViewAll		

O204
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043949**

Permit #:	63056	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	24-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	24-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	28	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	22
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	28	Gravel Top:	22
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104365&Panel=ViewAll		

O205
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043950**

Permit #:	63058	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	25-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	25-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	26	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	26	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104366&Panel=ViewAll		

O206
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043947**

Permit #:	63061	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	21-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85

Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	31	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	21
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	31	Gravel Top:	21
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104363&Panel=ViewAll		

O207
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043944**

Permit #:	63065	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	17-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	17-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	18
Screen Base:	23	Screen Material:	PVC
Inner Casing Base:	18	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	16
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	25	Gravel Top:	16
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104360&Panel=ViewAll		

O208
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043945**

Permit #:	63066	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	17-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	17-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104361&Panel=ViewAll		

O209
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043946**

Permit #:	63060	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	24-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	24-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	30	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	26
Screen Base:	28	Screen Material:	PVC
Inner Casing Base:	26	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	24
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	30	Gravel Top:	24
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104362&Panel=ViewAll		

O210
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043951**

Permit #:	63059	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	28-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	8
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	13	Gravel Top:	8
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104367&Panel=ViewAll		

O211
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044012**

Permit #:	90484	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	17-APR-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	17-APR-92	Pump:	Not Reported
Application Received:	24-MAR-92	Construction Review Date:	24-MAR-92
Permit Approval Date:	24-MAR-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	16
Screen Base:	21	Screen Material:	PVC
Inner Casing Base:	16	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	14
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	23	Gravel Top:	14
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104428&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O212
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044013**

Permit #:	90485	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	24-APR-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	24-APR-92	Pump:	Not Reported
Application Received:	24-MAR-92	Construction Review Date:	24-MAR-92
Permit Approval Date:	24-MAR-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	125	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	36
Screen Base:	46	Screen Material:	PVC
Inner Casing Base:	36	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	30
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	46	Gravel Top:	30
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104429&Panel=ViewAll		

O213
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044014**

Permit #:	90479	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	13-APR-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	13-APR-92	Pump:	Not Reported
Application Received:	24-MAR-92	Construction Review Date:	24-MAR-92
Permit Approval Date:	24-MAR-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	73
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104430&Panel=ViewAll		

O214
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044011**

Permit #:	90483	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	27-APR-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	27-APR-92	Pump:	Not Reported
Application Received:	24-MAR-92	Construction Review Date:	24-MAR-92
Permit Approval Date:	24-MAR-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	18
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	27	Gravel Top:	18
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104427&Panel=ViewAll		

O215
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043952**

Permit #:	63053	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	28-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	32	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	25
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	32	Gravel Top:	25
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104368&Panel=ViewAll		

O216
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043953**

Permit #:	63054	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	28-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85

Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	22	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	18
Screen Base:	20	Screen Material:	PVC
Inner Casing Base:	18	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	16
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	22	Gravel Top:	16
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104369&Panel=ViewAll		

O217
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043954**

Permit #:	63055	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	29-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	29-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	8
Screen Base:	10	Screen Material:	PVC
Inner Casing Base:	8	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	6
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	12	Gravel Top:	6
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104370&Panel=ViewAll		

O218
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043933**

Permit #:	63152	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	22-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	22-OCT-85	Pump:	Not Reported
Application Received:	25-OCT-85	Construction Review Date:	25-OCT-85
Permit Approval Date:	25-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	16
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	25	Gravel Top:	16
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104349&Panel=ViewAll		

O219
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043934**

Permit #:	63118	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	28-OCT-85	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	28-OCT-85	Pump:	Not Reported
Application Received:	22-OCT-85	Construction Review Date:	22-OCT-85
Permit Approval Date:	22-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	51	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	48	Inner Casing Top:	0
Inner Casing Material:	Other	Grout Base:	51
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104350&Panel=ViewAll		

O220
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043935**

Permit #:	63119	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	29-OCT-85	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	29-OCT-85	Pump:	Not Reported
Application Received:	22-OCT-85	Construction Review Date:	22-OCT-85
Permit Approval Date:	22-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	55	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	53	Inner Casing Top:	0
Inner Casing Material:	Other	Grout Base:	55
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104351&Panel=ViewAll		

O221
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043932**

Permit #:	63151	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	22-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	22-OCT-85	Pump:	Not Reported
Application Received:	25-OCT-85	Construction Review Date:	25-OCT-85
Permit Approval Date:	25-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	46	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	37
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	46	Gravel Top:	37
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104348&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O222
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043929**

Permit #:	63154	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	23-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	23-OCT-85	Pump:	Not Reported
Application Received:	25-OCT-85	Construction Review Date:	25-OCT-85
Permit Approval Date:	25-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	23	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	14
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	23	Gravel Top:	14
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104345&Panel=ViewAll		

O223
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043930**

Permit #:	63155	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	16-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	16-OCT-85	Pump:	Not Reported
Application Received:	25-OCT-85	Construction Review Date:	25-OCT-85
Permit Approval Date:	25-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	30	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	21
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	30	Gravel Top:	21
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104346&Panel=ViewAll		

O224
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043931**

Permit #:	63122	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-OCT-85	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	28-OCT-85	Pump:	Not Reported
Application Received:	22-OCT-85	Construction Review Date:	22-OCT-85
Permit Approval Date:	22-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	86	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	86	Inner Casing Top:	0
Inner Casing Material:	Other	Grout Base:	86
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104347&Panel=ViewAll		

O225
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043936**

Permit #:	63120	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	30-OCT-85	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	30-OCT-85	Pump:	Not Reported
Application Received:	22-OCT-85	Construction Review Date:	22-OCT-85
Permit Approval Date:	22-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	50	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	48	Inner Casing Top:	0
Inner Casing Material:	Other	Grout Base:	50
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104352&Panel=ViewAll		

O226
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043941**

Permit #:	63068	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	18-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	18-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85

Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	10	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104357&Panel=ViewAll		

O227
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043942**

Permit #:	63069	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	18-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	18-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	27	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	18
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	27	Gravel Top:	18
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104358&Panel=ViewAll		

O228
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043943**

Permit #:	63063	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	29-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	29-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	30	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	21
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	30	Gravel Top:	21
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104359&Panel=ViewAll		

O229
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043940**

Permit #:	63067	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	17-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	17-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	12
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	25	Gravel Top:	12
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104356&Panel=ViewAll		

O230
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043937**

Permit #:	63070	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	18-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	18-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	7
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	15	Gravel Top:	7
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104353&Panel=ViewAll		

O231
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043938**

Permit #:	63071	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	21-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	43	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	34
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	43	Gravel Top:	34
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104354&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O232
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043939**

Permit #:	63072	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	21-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	15
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	15
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104355&Panel=ViewAll		

O233
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043896**

Permit #:	55718	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	07-DEC-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	07-DEC-83	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83
Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104312&Panel=ViewAll		

O234
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030770**

Permit #:	98879	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	01-APR-01	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-APR-01	Pump:	Not Reported
Application Received:	28-FEB-94	Construction Review Date:	28-FEB-94
Permit Approval Date:	28-FEB-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	38	Min Well Diameter:	6
Max Well Diameter:	6	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	26
Screen Base:	4	Screen Material:	PVC
Inner Casing Base:	38	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	31
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	38	Gravel Top:	31
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	350	Well Contractor:	Warren George Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091184&Panel=ViewAll		

O235
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030771**

Permit #:	98876	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	20-APR-01	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	20-APR-01	Pump:	Not Reported
Application Received:	28-FEB-94	Construction Review Date:	28-FEB-94
Permit Approval Date:	28-FEB-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	10
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	8
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	8
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	350	Well Contractor:	Warren George Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091185&Panel=ViewAll		

O236
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030861**

Permit #:	85739	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	23-JAN-91	Construction Review Date:	23-JAN-91

Permit Approval Date:	23-JAN-91	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	40	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091275&Panel=ViewAll		

O237
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030769**

Permit #:	98877	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	01-APR-01	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-APR-01	Pump:	Not Reported
Application Received:	28-FEB-94	Construction Review Date:	28-FEB-94
Permit Approval Date:	28-FEB-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	14
Screen Base:	19	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	12
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	19	Gravel Top:	12
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	350	Well Contractor:	Warren George Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091183&Panel=ViewAll		

O238
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030651**

Permit #:	61009	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Active
Est Construction Date:	15-APR-85	Est Max Capacity:	100
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	15-APR-85	Pump:	Not Reported
Application Received:	08-APR-85	Construction Review Date:	08-APR-85
Permit Approval Date:	08-APR-85	Est Daily Use:	144000
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	10
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	35	Gravel Top:	10
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	417	Well Contractor:	Griffin Dewatering LLC
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	YES	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091064&Panel=ViewAll		

O239
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030683**

Permit #:	61014	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Active

Est Construction Date:	Not Reported	Est Max Capacity:	100
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-APR-85	Construction Review Date:	08-APR-85
Permit Approval Date:	08-APR-85	Est Daily Use:	144000
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	417	Well Contractor:	Griffin Dewatering LLC
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	YES	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091097&Panel=ViewAll		

O240
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030766**

Permit #:	109881	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	15-OCT-96	Construction Review Date:	15-OCT-96
Permit Approval Date:	15-OCT-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091180&Panel=ViewAll		

O241
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030862**

Permit #:	85740	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	23-JAN-91	Construction Review Date:	23-JAN-91
Permit Approval Date:	23-JAN-91	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	40	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091276&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O242
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000032831**

Permit #:	50354	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	10-FEB-82	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	10-FEB-82	Pump:	Not Reported
Application Received:	01-FEB-82	Construction Review Date:	01-FEB-82
Permit Approval Date:	01-FEB-82	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	40	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	35
Screen Base:	40	Screen Material:	PVC
Inner Casing Base:	35	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	35
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	40	Gravel Top:	35
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093245&Panel=ViewAll		

O243
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000032832**

Permit #:	60428	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	05-APR-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	05-APR-85	Pump:	Not Reported
Application Received:	03-APR-85	Construction Review Date:	03-APR-85
Permit Approval Date:	03-APR-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	36	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	34	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	31
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	36	Gravel Top:	31
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093246&Panel=ViewAll		

O244
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000032833**

Permit #:	60429	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	04-APR-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-APR-85	Pump:	Not Reported
Application Received:	03-APR-85	Construction Review Date:	03-APR-85
Permit Approval Date:	03-APR-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	10
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	15	Gravel Top:	10
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093247&Panel=ViewAll		

O245
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000032830**

Permit #:	60431	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	08-APR-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	08-APR-85	Pump:	Not Reported
Application Received:	03-APR-85	Construction Review Date:	03-APR-85
Permit Approval Date:	03-APR-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	10
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	15	Gravel Top:	10
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093244&Panel=ViewAll		

O246
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030863**

Permit #:	85741	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	23-JAN-90	Construction Review Date:	23-JAN-90

Permit Approval Date:	23-JAN-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	40	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091277&Panel=ViewAll		

O247
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000031356**

Permit #:	80337	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	28-SEP-89	Construction Review Date:	28-SEP-89
Permit Approval Date:	28-SEP-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091770&Panel=ViewAll		

O248
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000031357**

Permit #:	80338	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	28-SEP-89	Construction Review Date:	28-SEP-89
Permit Approval Date:	28-SEP-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091771&Panel=ViewAll		

O249
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000026832**

Permit #:	105723	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	18-SEP-95	Construction Review Date:	18-SEP-95
Permit Approval Date:	18-SEP-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	608	Well Contractor:	American Water Well Systems
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087243&Panel=ViewAll		

O250
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000026833**

Permit #:	105722	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	26-SEP-95	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	26-SEP-95	Pump:	Not Reported
Application Received:	18-SEP-95	Construction Review Date:	18-SEP-95
Permit Approval Date:	18-SEP-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	45	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	25
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	45	Gravel Top:	25
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	608	Well Contractor:	American Water Well Systems
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087244&Panel=ViewAll		

O251
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000026872**

Permit #:	39807	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	10-DEC-77	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	10-DEC-77	Pump:	Not Reported
Application Received:	24-OCT-77	Construction Review Date:	24-OCT-77
Permit Approval Date:	24-OCT-77	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087283&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O252
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000026662**

Permit #:	89333	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-JAN-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	28-JAN-92	Pump:	Not Reported
Application Received:	02-DEC-91	Construction Review Date:	02-DEC-91
Permit Approval Date:	02-DEC-91	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	19	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	2	Grout Material:	Neat Cement
Gravel Base:	19	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	14	Well Contractor:	A C Schultes Of Delaware
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087073&Panel=ViewAll		

O253
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000026658**

Permit #:	89328	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	30-JAN-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	30-JAN-92	Pump:	Not Reported
Application Received:	02-DEC-91	Construction Review Date:	02-DEC-91
Permit Approval Date:	02-DEC-91	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5

Screen Base:	19	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	2	Grout Material:	Neat Cement
Gravel Base:	19	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	14	Well Contractor:	A C Schultes Of Delaware
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087069&Panel=ViewAll		

O254
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000026659**

Permit #:	89330	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	29-JAN-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	29-JAN-92	Pump:	Not Reported
Application Received:	02-DEC-91	Construction Review Date:	02-DEC-91
Permit Approval Date:	02-DEC-91	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	19	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	2	Grout Material:	Neat Cement
Gravel Base:	19	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	14	Well Contractor:	A C Schultes Of Delaware
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087070&Panel=ViewAll		

O255
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000026661**

Permit #:	89329	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	30-JAN-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	30-JAN-92	Pump:	Not Reported
Application Received:	02-DEC-91	Construction Review Date:	02-DEC-91
Permit Approval Date:	02-DEC-91	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	19	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	2	Grout Material:	Bentonite
Gravel Base:	19	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	14	Well Contractor:	A C Schultes Of Delaware
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087072&Panel=ViewAll		

O256
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030440**

Permit #:	106320	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	07-NOV-95	Construction Review Date:	07-NOV-95

Permit Approval Date:	07-NOV-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60090852&Panel=ViewAll		

O257
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030647**

Permit #:	61010	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	100
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-APR-85	Construction Review Date:	08-APR-85
Permit Approval Date:	08-APR-85	Est Daily Use:	144000
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	417	Well Contractor:	Griffin Dewatering LLC
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	YES	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091060&Panel=ViewAll		

O258
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030648**

Permit #:	61011	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	100
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-APR-85	Construction Review Date:	08-APR-85
Permit Approval Date:	08-APR-85	Est Daily Use:	144000
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	417	Well Contractor:	Griffin Dewatering LLC
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	YES	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091061&Panel=ViewAll		

O259
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030649**

Permit #:	61012	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Active

Est Construction Date:	Not Reported	Est Max Capacity:	100
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-APR-85	Construction Review Date:	08-APR-85
Permit Approval Date:	08-APR-85	Est Daily Use:	144000
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	417	Well Contractor:	Griffin Dewatering LLC
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	YES	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091062&Panel=ViewAll		

O260
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030645**

Permit #:	61015	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	100
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-APR-85	Construction Review Date:	08-APR-85
Permit Approval Date:	08-APR-85	Est Daily Use:	144000
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	417	Well Contractor:	Griffin Dewatering LLC
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	YES	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091058&Panel=ViewAll		

O261
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030441**

Permit #:	106319	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	25-APR-97	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Other
Completion Report Date:	25-APR-97	Pump:	Not Reported
Application Received:	07-NOV-95	Construction Review Date:	07-NOV-95
Permit Approval Date:	07-NOV-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60090853&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O262
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030442**

Permit #:	106321	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Other
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	07-NOV-95	Construction Review Date:	07-NOV-95
Permit Approval Date:	07-NOV-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60090854&Panel=ViewAll		

O263
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000030644**

Permit #:	61013	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	100
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-APR-85	Construction Review Date:	08-APR-85
Permit Approval Date:	08-APR-85	Est Daily Use:	144000
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	417	Well Contractor:	Griffin Dewatering LLC
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	YES	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091057&Panel=ViewAll		

O264
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043808**

Permit #:	54228	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	27-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	27-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	58	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	53
Screen Base:	58	Screen Material:	PVC
Inner Casing Base:	53	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	40
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	58	Gravel Top:	40
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104224&Panel=ViewAll		

O265
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043810**

Permit #:	54230	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	20-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	20-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	44	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	34
Screen Base:	44	Screen Material:	PVC
Inner Casing Base:	34	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	29
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	44	Gravel Top:	29
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104226&Panel=ViewAll		

O266
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043813**

Permit #:	54227	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	29-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	29-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83

Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	47	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	42
Screen Base:	47	Screen Material:	PVC
Inner Casing Base:	42	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	25
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	47	Gravel Top:	25
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104229&Panel=ViewAll		

O267
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043807**

Permit #:	54233	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	13-AUG-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	13-AUG-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	110	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	46
Screen Base:	56	Screen Material:	PVC
Inner Casing Base:	46	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	40
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	56	Gravel Top:	40
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104223&Panel=ViewAll		

O268
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043804**

Permit #:	54236	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	130	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	96
Screen Base:	102	Screen Material:	PVC
Inner Casing Base:	96	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	86
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	102	Gravel Top:	86
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104220&Panel=ViewAll		

O269
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043805**

Permit #:	54231	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	02-AUG-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	02-AUG-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	16
Screen Base:	20	Screen Material:	PVC
Inner Casing Base:	16	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	13
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	20	Gravel Top:	13
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104221&Panel=ViewAll		

O270
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043806**

Permit #:	54232	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	18-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	18-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	38	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	28
Screen Base:	38	Screen Material:	PVC
Inner Casing Base:	28	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	23
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	38	Gravel Top:	23
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104222&Panel=ViewAll		

O271
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043886**

Permit #:	54225	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	08-AUG-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	08-AUG-83	Pump:	Not Reported
Application Received:	06-JUL-83	Construction Review Date:	06-JUL-83
Permit Approval Date:	06-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	70	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	60
Screen Base:	70	Screen Material:	PVC
Inner Casing Base:	60	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	50
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	70	Gravel Top:	50
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104302&Panel=ViewAll		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O272
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043893**

Permit #:	55721	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-DEC-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	01-DEC-83	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83
Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104309&Panel=ViewAll		

O273
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043894**

Permit #:	55722	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	02-DEC-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	02-DEC-83	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83
Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	13

Screen Base:	14	Screen Material:	PVC
Inner Casing Base:	13	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	11
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	15	Gravel Top:	12
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104310&Panel=ViewAll		

O274
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043895**

Permit #:	55717	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	02-DEC-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	02-DEC-83	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83
Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104311&Panel=ViewAll		

O275
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043892**

Permit #:	55720	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	09-DEC-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	09-DEC-83	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83
Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	54	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	52
Screen Base:	53	Screen Material:	PVC
Inner Casing Base:	52	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	48
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	54	Gravel Top:	51
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104308&Panel=ViewAll		

O276
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043889**

Permit #:	55724	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	08-DEC-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	08-DEC-83	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83

Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104305&Panel=ViewAll		

O277
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043890**

Permit #:	55725	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Voided
Est Construction Date:	01-JAN-99	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	01-JAN-99	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83
Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	14
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	14	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	14
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	16	Gravel Top:	12
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104306&Panel=ViewAll		

O278
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043891**

Permit #:	54224	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Active
Est Construction Date:	03-AUG-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	03-AUG-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	25
Screen Base:	35	Screen Material:	PVC
Inner Casing Base:	25	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	22
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	35	Gravel Top:	22
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104307&Panel=ViewAll		

O279
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000033075**

Permit #:	95715	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	24-JUN-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	24-JUN-93	Pump:	Not Reported
Application Received:	11-JUN-93	Construction Review Date:	11-JUN-93
Permit Approval Date:	11-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	15
Screen Base:	20	Screen Material:	PVC
Inner Casing Base:	15	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	13
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	20	Gravel Top:	13
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093489&Panel=ViewAll		

O280
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000033076**

Permit #:	95716	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	25-JUN-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	25-JUN-93	Pump:	Not Reported
Application Received:	11-JUN-93	Construction Review Date:	11-JUN-93
Permit Approval Date:	11-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	31	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	25
Screen Base:	30	Screen Material:	PVC
Inner Casing Base:	25	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	25
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	30	Gravel Top:	25
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093490&Panel=ViewAll		

O281
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000033077**

Permit #:	95717	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	16-JUN-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	16-JUN-93	Pump:	Not Reported
Application Received:	11-JUN-93	Construction Review Date:	11-JUN-93
Permit Approval Date:	11-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	29	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	24
Screen Base:	29	Screen Material:	PVC
Inner Casing Base:	24	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	20
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	29	Gravel Top:	24
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093491&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O282
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000033059**

Permit #:	80640	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	04-NOV-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-NOV-89	Pump:	Not Reported
Application Received:	19-OCT-89	Construction Review Date:	19-OCT-89
Permit Approval Date:	19-OCT-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	2	Inner Casing Top:	3
Inner Casing Material:	PVC	Grout Base:	35
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	35
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093473&Panel=ViewAll		

O283
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000032834**

Permit #:	60430	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	04-APR-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-APR-85	Pump:	Not Reported
Application Received:	03-APR-85	Construction Review Date:	03-APR-85
Permit Approval Date:	03-APR-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	10
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	15	Gravel Top:	10
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093248&Panel=ViewAll		

O284
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000032835**

Permit #:	71338	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	24-SEP-87	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	24-SEP-87	Pump:	Not Reported
Application Received:	23-SEP-87	Construction Review Date:	23-SEP-87
Permit Approval Date:	23-SEP-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	25
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	25
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093249&Panel=ViewAll		

O285
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000032837**

Permit #:	60427	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	08-APR-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	08-APR-85	Pump:	Not Reported
Application Received:	03-APR-85	Construction Review Date:	03-APR-85
Permit Approval Date:	03-APR-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	36	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	34	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	31
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	36	Gravel Top:	31
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093251&Panel=ViewAll		

O286
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043796**

Permit #:	54240	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83

Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	61	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	44
Screen Base:	50	Screen Material:	PVC
Inner Casing Base:	44	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	39
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	50	Gravel Top:	39
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104212&Panel=ViewAll		

O287
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043801**

Permit #:	54239	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	255	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	155
Screen Base:	165	Screen Material:	PVC
Inner Casing Base:	155	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	138
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	165	Gravel Top:	138
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104217&Panel=ViewAll		

O288
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043802**

Permit #:	54234	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	200	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	143
Screen Base:	153	Screen Material:	PVC
Inner Casing Base:	143	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	135
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	153	Gravel Top:	135
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104218&Panel=ViewAll		

O289
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043803**

Permit #:	54235	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	01-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	165	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	155
Screen Base:	165	Screen Material:	PVC
Inner Casing Base:	155	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	145
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	165	Gravel Top:	155
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104219&Panel=ViewAll		

O290
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043800**

Permit #:	54238	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	220	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	164
Screen Base:	174	Screen Material:	PVC
Inner Casing Base:	164	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	150
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	174	Gravel Top:	150
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104216&Panel=ViewAll		

O291
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043797**

Permit #:	54241	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	230	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	170
Screen Base:	180	Screen Material:	PVC
Inner Casing Base:	170	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	160
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	180	Gravel Top:	160
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104213&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O292
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043798**

Permit #:	54242	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Voided
Est Construction Date:	01-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	100	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	90
Screen Base:	100	Screen Material:	PVC
Inner Casing Base:	90	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	90
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	100	Gravel Top:	90
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104214&Panel=ViewAll		

O293
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000043799**

Permit #:	54237	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-JUL-83	Pump:	Not Reported
Application Received:	05-JUL-83	Construction Review Date:	05-JUL-83
Permit Approval Date:	05-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	195	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	144

Screen Base:	154	Screen Material:	PVC
Inner Casing Base:	144	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	135
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	154	Gravel Top:	135
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104215&Panel=ViewAll		

O294
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044015**

Permit #:	90481	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	21-APR-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-APR-92	Pump:	Not Reported
Application Received:	24-MAR-92	Construction Review Date:	24-MAR-92
Permit Approval Date:	24-MAR-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	108	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	108
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104431&Panel=ViewAll		

O295
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044519**

Permit #:	109483	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	9	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	10	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104935&Panel=ViewAll		

O296
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044520**

Permit #:	109511	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96

Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	12	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	7
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	13	Gravel Top:	8
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104936&Panel=ViewAll		

O297
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044521**

Permit #:	109454	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	32	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	20
Screen Base:	30	Screen Material:	PVC
Inner Casing Base:	20	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	13
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	32	Gravel Top:	15
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104937&Panel=ViewAll		

O298
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044518**

Permit #:	109478	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	24	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	18
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	25	Gravel Top:	20
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104934&Panel=ViewAll		

O299
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044508**

Permit #:	109466	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned

Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	08/10/2011	Total Proposed Depth:	0
Actual Total Depth:	32	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	20
Screen Base:	30	Screen Material:	PVC
Inner Casing Base:	20	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	13
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	32	Gravel Top:	15
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5378	Well Contractor:	Summit Site Services Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104924&Panel=ViewAll		

O300
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044511**

Permit #:	109532	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	26-005.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	100	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	100
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104927&Panel=ViewAll		

O301
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044515**

Permit #:	109516	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	19	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	13
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	20	Gravel Top:	15
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104931&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O302
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044522**

Permit #:	109467	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	28	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	16
Screen Base:	26	Screen Material:	PVC
Inner Casing Base:	16	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	10
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	28	Gravel Top:	11
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104938&Panel=ViewAll		

O303
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046280**

Permit #:	97336	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	110	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106696&Panel=ViewAll		

O304
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046281**

Permit #:	97337	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	110	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106697&Panel=ViewAll		

O305
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046282**

Permit #:	97338	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	110	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106698&Panel=ViewAll		

O306
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046279**

Permit #:	97339	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93

Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	110	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106695&Panel=ViewAll		

O307
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044523**

Permit #:	109472	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	76	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	64
Screen Base:	74	Screen Material:	PVC
Inner Casing Base:	64	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	59
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	76	Gravel Top:	59
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104939&Panel=ViewAll		

O308
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044524**

Permit #:	109441	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	23	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	12
Screen Base:	22	Screen Material:	PVC
Inner Casing Base:	12	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	6
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	23	Gravel Top:	7
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104940&Panel=ViewAll		

O309
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044525**

Permit #:	109447	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	40	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	28
Screen Base:	38	Screen Material:	PVC
Inner Casing Base:	28	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	21
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	40	Gravel Top:	23
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104941&Panel=ViewAll		

O310
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044497**

Permit #:	109475	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	14	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	13	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	8
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	14	Gravel Top:	9
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104913&Panel=ViewAll		

O311
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044498**

Permit #:	109476	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	19	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	13
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	20	Gravel Top:	15
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104914&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O312
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044499**

Permit #:	109477	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	24	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	18
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	25	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104915&Panel=ViewAll		

O313
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044496**

Permit #:	109481	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	18	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	12
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	19	Gravel Top:	14
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104912&Panel=ViewAll		

O314
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044493**

Permit #:	109531	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	08/10/2011	Total Proposed Depth:	0
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	100	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	100
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5378	Well Contractor:	Summit Site Services Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104909&Panel=ViewAll		

O315
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044494**

Permit #:	109479	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	15	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	9
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	16	Gravel Top:	11
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104910&Panel=ViewAll		

O316
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044495**

Permit #:	109480	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96

Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	30	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	29	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	23
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	30	Gravel Top:	25
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104911&Panel=ViewAll		

O317
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044500**

Permit #:	109471	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	58	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	46
Screen Base:	56	Screen Material:	PVC
Inner Casing Base:	46	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	39
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	58	Gravel Top:	41
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104916&Panel=ViewAll		

O318
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044505**

Permit #:	109470	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	40	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	28
Screen Base:	38	Screen Material:	PVC
Inner Casing Base:	28	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	21
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	40	Gravel Top:	23
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104921&Panel=ViewAll		

O319
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044506**

Permit #:	109464	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned

Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	08/08/2011	Total Proposed Depth:	0
Actual Total Depth:	44	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	32
Screen Base:	42	Screen Material:	PVC
Inner Casing Base:	32	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	25
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	44	Gravel Top:	27
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5378	Well Contractor:	Summit Site Services Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104922&Panel=ViewAll		

O320
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044507**

Permit #:	109465	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	08/10/2011	Total Proposed Depth:	0
Actual Total Depth:	26	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	14
Screen Base:	24	Screen Material:	PVC
Inner Casing Base:	14	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	8
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	26	Gravel Top:	9
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5378	Well Contractor:	Summit Site Services Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104923&Panel=ViewAll		

O321
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044504**

Permit #:	109469	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	70	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	58
Screen Base:	68	Screen Material:	PVC
Inner Casing Base:	58	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	51
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	70	Gravel Top:	53
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104920&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O322
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044501**

Permit #:	109473	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	60	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	48
Screen Base:	58	Screen Material:	PVC
Inner Casing Base:	48	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	41
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	60	Gravel Top:	43
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104917&Panel=ViewAll		

O323
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044502**

Permit #:	109474	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	40	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	28

Screen Base:	38	Screen Material:	PVC
Inner Casing Base:	28	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	21
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	40	Gravel Top:	23
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104918&Panel=ViewAll		

O324
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044503**

Permit #:	109468	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	32	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	20
Screen Base:	30	Screen Material:	PVC
Inner Casing Base:	20	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	13
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	32	Gravel Top:	15
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104919&Panel=ViewAll		

O325
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046302**

Permit #:	97353	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	76	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106718&Panel=ViewAll		

O326
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046303**

Permit #:	97354	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93

Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	75	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106719&Panel=ViewAll		

O327
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046304**

Permit #:	97348	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	76	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106720&Panel=ViewAll		

O328
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046301**

Permit #:	97352	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	76	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106717&Panel=ViewAll		

O329
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046298**

Permit #:	97356	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	78	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106714&Panel=ViewAll		

O330
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046299**

Permit #:	97357	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	78	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106715&Panel=ViewAll		

O331
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046300**

Permit #:	97358	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	78	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106716&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O332
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046305**

Permit #:	97349	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	76	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106721&Panel=ViewAll		

O333
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046310**

Permit #:	97351	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	76	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106726&Panel=ViewAll		

O334
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046311**

Permit #:	97355	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	78	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106727&Panel=ViewAll		

O335
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046312**

Permit #:	97341	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	41	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106728&Panel=ViewAll		

O336
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046309**

Permit #:	97335	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93

Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	110	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106725&Panel=ViewAll		

O337
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046306**

Permit #:	97350	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	76	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106722&Panel=ViewAll		

O338
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046307**

Permit #:	97346	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	41	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106723&Panel=ViewAll		

O339
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046308**

Permit #:	97321	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	42	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106724&Panel=ViewAll		

O340
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046287**

Permit #:	97322	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	42	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106703&Panel=ViewAll		

O341
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046288**

Permit #:	97323	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	42	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106704&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O342
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046289**

Permit #:	97317	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	42	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106705&Panel=ViewAll		

O343
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046286**

Permit #:	97320	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	42	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106702&Panel=ViewAll		

O344
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046283**

Permit #:	97332	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	110	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106699&Panel=ViewAll		

O345
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046284**

Permit #:	97333	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	110	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106700&Panel=ViewAll		

O346
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046285**

Permit #:	97334	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93

Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	110	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106701&Panel=ViewAll		

O347
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046290**

Permit #:	97318	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	42	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106706&Panel=ViewAll		

O348
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046295**

Permit #:	97359	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	78	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106711&Panel=ViewAll		

O349
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046296**

Permit #:	97340	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	41	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106712&Panel=ViewAll		

O350
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046297**

Permit #:	97342	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	41	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106713&Panel=ViewAll		

O351
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046294**

Permit #:	97345	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	41	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106710&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O352
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046291**

Permit #:	97319	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	42	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106707&Panel=ViewAll		

O353
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046292**

Permit #:	97343	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	41	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106708&Panel=ViewAll		

O354
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000046293**

Permit #:	97344	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	01-OCT-93	Construction Review Date:	01-OCT-93
Permit Approval Date:	01-OCT-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	41	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60106709&Panel=ViewAll		

O355
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044492**

Permit #:	109530	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	08/10/2011	Total Proposed Depth:	0
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	100	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	100
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5378	Well Contractor:	Summit Site Services Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104908&Panel=ViewAll		

O356
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044069**

Permit #:	63064	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	29-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	29-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85

Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	16	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	7
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	16	Gravel Top:	7
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104485&Panel=ViewAll		

O357
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044081**

Permit #:	90480	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	09-APR-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	09-APR-92	Pump:	Not Reported
Application Received:	24-MAR-92	Construction Review Date:	24-MAR-92
Permit Approval Date:	24-MAR-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	68
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104497&Panel=ViewAll		

O358
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044083**

Permit #:	106908	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JAN-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	31-JAN-96	Pump:	Not Reported
Application Received:	26-JAN-96	Construction Review Date:	26-JAN-96
Permit Approval Date:	26-JAN-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	45	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	35
Screen Base:	45	Screen Material:	PVC
Inner Casing Base:	35	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	45	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	828	Well Contractor:	Marcor Of Pennsylvania
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104499&Panel=ViewAll		

O359
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044068**

Permit #:	63057	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	25-OCT-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	25-OCT-85	Pump:	Not Reported
Application Received:	16-OCT-85	Construction Review Date:	16-OCT-85
Permit Approval Date:	16-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	14	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	11	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	9
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	14	Gravel Top:	9
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104484&Panel=ViewAll		

O360
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044065**

Permit #:	60705	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	07-MAY-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	07-MAY-85	Pump:	Not Reported
Application Received:	22-APR-85	Construction Review Date:	22-APR-85
Permit Approval Date:	22-APR-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	53
Screen Base:	63	Screen Material:	PVC
Inner Casing Base:	53	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	51
Grout Top:	2	Grout Material:	Bentonite
Gravel Base:	68	Gravel Top:	51
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104481&Panel=ViewAll		

O361
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044066**

Permit #:	57630	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	18
Screen Base:	20	Screen Material:	Steel
Inner Casing Base:	19	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	22	Gravel Top:	14
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104482&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O362
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044067**

Permit #:	62463	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	23-AUG-85	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	23-AUG-85	Pump:	Not Reported
Application Received:	23-AUG-85	Construction Review Date:	23-AUG-85
Permit Approval Date:	23-AUG-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	12	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	12	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104483&Panel=ViewAll		

O363
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044084**

Permit #:	106906	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	09-FEB-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	09-FEB-96	Pump:	Not Reported
Application Received:	26-JAN-96	Construction Review Date:	26-JAN-96
Permit Approval Date:	26-JAN-96	Est Daily Use:	0
Abandon Report Date:	01/24/2013	Total Proposed Depth:	0
Actual Total Depth:	138	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	124

Screen Base:	134	Screen Material:	PVC
Inner Casing Base:	124	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	122
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	138	Gravel Top:	122
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	1042		
Well Contractor:	Hillis-Carnes Engineering Associates Inc		
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104500&Panel=ViewAll		

O364
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044453**

Permit #:	109458	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	22	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	10
Screen Base:	20	Screen Material:	PVC
Inner Casing Base:	10	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	22	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No

Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104869&Panel=ViewAll		

O365
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044454**

Permit #:	109459	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	26	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	14
Screen Base:	24	Screen Material:	PVC
Inner Casing Base:	14	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	8
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	26	Gravel Top:	9
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104870&Panel=ViewAll		

O366
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044455**

Permit #:	109453	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported

Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	44	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	32
Screen Base:	42	Screen Material:	PVC
Inner Casing Base:	32	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	25
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	44	Gravel Top:	27
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104871&Panel=ViewAll		

O367
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044452**

Permit #:	109457	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	30	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	18
Screen Base:	28	Screen Material:	PVC
Inner Casing Base:	18	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	12
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	30	Gravel Top:	13
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No

Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104868&Panel=ViewAll		

O368
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044449**

Permit #:	109460	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	34	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	22
Screen Base:	32	Screen Material:	PVC
Inner Casing Base:	22	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	15
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	34	Gravel Top:	17
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104865&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O369
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044450**

Permit #:	109461	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	42	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	30
Screen Base:	40	Screen Material:	PVC
Inner Casing Base:	30	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	23
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	42	Gravel Top:	25
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104866&Panel=ViewAll		

O370
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044451**

Permit #:	109463	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	08/08/2011	Total Proposed Depth:	0
Actual Total Depth:	44	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	32

Screen Base:	42	Screen Material:	PVC
Inner Casing Base:	32	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	25
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	44	Gravel Top:	27
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5378	Well Contractor:	Summit Site Services Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104867&Panel=ViewAll		

O371
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044035**

Permit #:	106905	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	21-FEB-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-FEB-96	Pump:	Not Reported
Application Received:	26-JAN-96	Construction Review Date:	26-JAN-96
Permit Approval Date:	26-JAN-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	157	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	146
Screen Base:	156	Screen Material:	PVC
Inner Casing Base:	146	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	142
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	157	Gravel Top:	142
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	828	Well Contractor:	Marcor Of Pennsylvania
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104451&Panel=ViewAll		

O372
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044038**

Permit #:	106910	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	02-FEB-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	02-FEB-96	Pump:	Not Reported
Application Received:	26-JAN-96	Construction Review Date:	26-JAN-96
Permit Approval Date:	26-JAN-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	62	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	52
Screen Base:	62	Screen Material:	PVC
Inner Casing Base:	52	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	49
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	62	Gravel Top:	49
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	828	Well Contractor:	Marcor Of Pennsylvania
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104454&Panel=ViewAll		

O373
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044039**

Permit #:	106903	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	24-MAR-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	24-MAR-96	Pump:	Not Reported
Application Received:	26-JAN-96	Construction Review Date:	26-JAN-96

Permit Approval Date:	26-JAN-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	169	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	155
Screen Base:	165	Screen Material:	PVC
Inner Casing Base:	155	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	153
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	169	Gravel Top:	153
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	828	Well Contractor:	Marcor Of Pennsylvania
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104455&Panel=ViewAll		

O374
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044019**

Permit #:	90478	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	30-APR-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	30-APR-92	Pump:	Not Reported
Application Received:	24-MAR-92	Construction Review Date:	24-MAR-92
Permit Approval Date:	24-MAR-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	84	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	84
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104435&Panel=ViewAll		

O375
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044016**

Permit #:	90482	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	24-MAR-92	Construction Review Date:	24-MAR-92
Permit Approval Date:	24-MAR-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	30	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104432&Panel=ViewAll		

O376
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044017**

Permit #:	90476	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	06-APR-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	06-APR-92	Pump:	Not Reported
Application Received:	24-MAR-92	Construction Review Date:	24-MAR-92
Permit Approval Date:	24-MAR-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	69
Screen Base:	79	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	64
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	79	Gravel Top:	64
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104433&Panel=ViewAll		

O377
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044018**

Permit #:	90477	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	13-APR-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	13-APR-92	Pump:	Not Reported
Application Received:	24-MAR-92	Construction Review Date:	24-MAR-92
Permit Approval Date:	24-MAR-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	83	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	66
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	78	Gravel Top:	66
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104434&Panel=ViewAll		

O378
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044040**

Permit #:	106904	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	14-FEB-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-FEB-96	Pump:	Not Reported
Application Received:	26-JAN-96	Construction Review Date:	26-JAN-96
Permit Approval Date:	26-JAN-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	167	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	155
Screen Base:	165	Screen Material:	PVC
Inner Casing Base:	155	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	152
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	167	Gravel Top:	152
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	828	Well Contractor:	Marcor Of Pennsylvania
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104456&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O379
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044057**

Permit #:	54226	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-JUL-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-JUL-83	Pump:	Not Reported
Application Received:	13-JUL-83	Construction Review Date:	13-JUL-83
Permit Approval Date:	13-JUL-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	56	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	46
Screen Base:	56	Screen Material:	PVC
Inner Casing Base:	46	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	40
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	56	Gravel Top:	40
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104473&Panel=ViewAll		

O380
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044061**

Permit #:	57638	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-JUL-84	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Driven
Completion Report Date:	31-JUL-84	Pump:	Not Reported
Application Received:	05-JUL-84	Construction Review Date:	05-JUL-84
Permit Approval Date:	05-JUL-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11

Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	12	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	15	Gravel Top:	7
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104477&Panel=ViewAll		

O381
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044064**

Permit #:	63121	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	31-OCT-85	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	31-OCT-85	Pump:	Not Reported
Application Received:	22-OCT-85	Construction Review Date:	22-OCT-85
Permit Approval Date:	22-OCT-85	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	50	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Other	Grout Base:	50
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104480&Panel=ViewAll		

O382
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044054**

Permit #:	55723	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	21-DEC-83	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-DEC-83	Pump:	Not Reported
Application Received:	25-NOV-83	Construction Review Date:	25-NOV-83
Permit Approval Date:	25-NOV-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Cuttings
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104470&Panel=ViewAll		

O383
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044041**

Permit #:	106907	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-FEB-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	01-FEB-96	Pump:	Not Reported
Application Received:	26-JAN-96	Construction Review Date:	26-JAN-96

Permit Approval Date:	26-JAN-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	84	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	73
Screen Base:	84	Screen Material:	PVC
Inner Casing Base:	73	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	71
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	84	Gravel Top:	71
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	828	Well Contractor:	Marcor Of Pennsylvania
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104457&Panel=ViewAll		

O384
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044042**

Permit #:	106909	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	26-JAN-96	Construction Review Date:	26-JAN-96
Permit Approval Date:	26-JAN-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	85	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	828	Well Contractor:	Marcor Of Pennsylvania
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104458&Panel=ViewAll		

O385
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044045**

Permit #:	107241	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	27-MAR-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	27-MAR-96	Pump:	Not Reported
Application Received:	18-MAR-96	Construction Review Date:	18-MAR-96
Permit Approval Date:	18-MAR-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	81	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	65
Screen Base:	75	Screen Material:	PVC
Inner Casing Base:	65	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	63
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	81	Gravel Top:	63
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104461&Panel=ViewAll		

O386
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044481**

Permit #:	109510	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	18	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	12
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	19	Gravel Top:	14
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104897&Panel=ViewAll		

O387
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044482**

Permit #:	109524	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	97	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	97	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	97
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104898&Panel=ViewAll		

O388
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044483**

Permit #:	109525	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	102	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	102	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	102
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104899&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O389
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044480**

Permit #:	109528	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	100	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	100
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104896&Panel=ViewAll		

O390
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044477**

Permit #:	109513	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	19	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	23
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	30	Gravel Top:	25
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104893&Panel=ViewAll		

O391
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044478**

Permit #:	109514	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	18	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	17	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	11
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	18	Gravel Top:	13
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104894&Panel=ViewAll		

O392
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044479**

Permit #:	109527	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	100	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	100
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104895&Panel=ViewAll		

O393
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044484**

Permit #:	109526	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96

Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	100	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	100
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104900&Panel=ViewAll		

O394
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044489**

Permit #:	109519	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	117	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	117	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	117
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104905&Panel=ViewAll		

O395
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044490**

Permit #:	109520	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	110	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	110	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	110
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104906&Panel=ViewAll		

O396
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044491**

Permit #:	109482	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	24	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	18
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	25	Gravel Top:	20
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104907&Panel=ViewAll		

O397
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044488**

Permit #:	19532	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	50	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104904&Panel=ViewAll		

O398
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044485**

Permit #:	109521	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	102	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	102
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104901&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O399
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044486**

Permit #:	109522	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	103	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	103	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	103
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104902&Panel=ViewAll		

O400
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044487**

Permit #:	109523	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	101	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	101	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	101
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104903&Panel=ViewAll		

O401
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044460**

Permit #:	109452	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	28	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	16
Screen Base:	26	Screen Material:	PVC
Inner Casing Base:	16	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	10
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	28	Gravel Top:	11
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104876&Panel=ViewAll		

O402
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044461**

Permit #:	109444	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	13
Screen Base:	23	Screen Material:	PVC
Inner Casing Base:	13	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	7
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	25	Gravel Top:	8
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104877&Panel=ViewAll		

O403
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044462**

Permit #:	109445	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96

Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	34	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	22
Screen Base:	32	Screen Material:	PVC
Inner Casing Base:	22	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	15
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	34	Gravel Top:	17
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104878&Panel=ViewAll		

O404
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044459**

Permit #:	109449	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	22	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	10
Screen Base:	20	Screen Material:	PVC
Inner Casing Base:	10	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	22	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104875&Panel=ViewAll		

O405
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044456**

Permit #:	109455	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	14-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	40	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	28
Screen Base:	38	Screen Material:	PVC
Inner Casing Base:	28	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	21
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	40	Gravel Top:	23
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104872&Panel=ViewAll		

O406
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044457**

Permit #:	109456	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned

Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	42	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	30
Screen Base:	40	Screen Material:	PVC
Inner Casing Base:	30	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	23
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	42	Gravel Top:	25
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104873&Panel=ViewAll		

O407
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044458**

Permit #:	109448	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	30	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	18
Screen Base:	28	Screen Material:	PVC
Inner Casing Base:	18	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	12
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	30	Gravel Top:	13
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104874&Panel=ViewAll		

O408
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044463**

Permit #:	109446	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	48	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	36
Screen Base:	46	Screen Material:	PVC
Inner Casing Base:	36	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	29
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	48	Gravel Top:	31
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104879&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O409
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044474**

Permit #:	109517	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	28	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	27	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	21
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	28	Gravel Top:	23
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104890&Panel=ViewAll		

O410
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044475**

Permit #:	109518	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	24	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	23	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	17
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	24	Gravel Top:	19
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104891&Panel=ViewAll		

O411
NE **DE WELLS** **DE3000000044476**
1/2 - 1 Mile
Higher

Permit #:	109512	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	23	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	22	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	16
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	23	Gravel Top:	18
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104892&Panel=ViewAll		

O412
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044473**

Permit #:	109515	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	26	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	25	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	19
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	26	Gravel Top:	21
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104889&Panel=ViewAll		

O413
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044464**

Permit #:	109440	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96

Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	45	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	33
Screen Base:	43	Screen Material:	PVC
Inner Casing Base:	33	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	30
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	45	Gravel Top:	32
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104880&Panel=ViewAll		

O414
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044465**

Permit #:	109442	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	36	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	24
Screen Base:	34	Screen Material:	PVC
Inner Casing Base:	24	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	17
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	36	Gravel Top:	19
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104881&Panel=ViewAll		

O415
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000044466**

Permit #:	109443	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-DEC-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-DEC-96	Pump:	Not Reported
Application Received:	04-SEP-96	Construction Review Date:	04-SEP-96
Permit Approval Date:	04-SEP-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	40	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	28
Screen Base:	38	Screen Material:	PVC
Inner Casing Base:	28	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	21
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	40	Gravel Top:	23
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	924	Well Contractor:	Craig Test Boring Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60104882&Panel=ViewAll		

O416
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016090**

Permit #:	72291	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	55	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076497&Panel=ViewAll		

O417
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016091**

Permit #:	72292	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	55	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076498&Panel=ViewAll		

O418
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000018677**

Permit #:	53395	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-MAR-83	Construction Review Date:	14-MAR-83
Permit Approval Date:	14-MAR-83	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60079085&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O419
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016089**

Permit #:	72275	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	03-DEC-87	Construction Review Date:	03-DEC-87
Permit Approval Date:	03-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	85	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076496&Panel=ViewAll		

O420
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016086**

Permit #:	72293	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	55	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076493&Panel=ViewAll		

O421
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016087**

Permit #:	72294	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	55	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076494&Panel=ViewAll		

O422
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016088**

Permit #:	72276	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	85	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076495&Panel=ViewAll		

O423
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022631**

Permit #:	84426	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	09-OCT-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	09-OCT-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90

Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083042&Panel=ViewAll		

O424
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022632**

Permit #:	84428	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	02-OCT-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	02-OCT-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	69	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	69
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083043&Panel=ViewAll		

O425
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022633**

Permit #:	84222	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	05-SEP-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	05-SEP-90	Pump:	Not Reported
Application Received:	30-AUG-90	Construction Review Date:	30-AUG-90
Permit Approval Date:	30-AUG-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	23	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	20
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	25	Gravel Top:	20
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083044&Panel=ViewAll		

O426
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000021600**

Permit #:	72789	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	11-FEB-88	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	11-FEB-88	Pump:	Not Reported
Application Received:	26-JAN-88	Construction Review Date:	26-JAN-88
Permit Approval Date:	26-JAN-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	17	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	15	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082010&Panel=ViewAll		

O427
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000021596**

Permit #:	72790	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	11-FEB-88	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	11-FEB-88	Pump:	Not Reported
Application Received:	26-JAN-88	Construction Review Date:	26-JAN-88
Permit Approval Date:	26-JAN-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	15	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082006&Panel=ViewAll		

O428
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000021598**

Permit #:	72787	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	10-FEB-88	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	10-FEB-88	Pump:	Not Reported
Application Received:	26-JAN-88	Construction Review Date:	26-JAN-88
Permit Approval Date:	26-JAN-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	18	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	6
Screen Base:	16	Screen Material:	PVC
Inner Casing Base:	6	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	16	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082008&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O429
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000021599**

Permit #:	72788	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	10-FEB-88	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	10-FEB-88	Pump:	Not Reported
Application Received:	26-JAN-88	Construction Review Date:	26-JAN-88
Permit Approval Date:	26-JAN-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	32	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	27
Screen Base:	32	Screen Material:	PVC
Inner Casing Base:	27	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	26
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	26	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082009&Panel=ViewAll		

O430
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016085**

Permit #:	72279	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076492&Panel=ViewAll		

O431
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016075**

Permit #:	72287	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	55	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076482&Panel=ViewAll		

O432
NE **DE WELLS** **DE3000000016076**
1/2 - 1 Mile
Higher

Permit #:	72288	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	55	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076483&Panel=ViewAll		

O433
NE **DE WELLS** **DE3000000016077**
1/2 - 1 Mile
Higher

Permit #:	72283	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87

Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076484&Panel=ViewAll		

O434
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016074**

Permit #:	72286	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076481&Panel=ViewAll		

O435
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000008899**

Permit #:	104243	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	14-JUN-95	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Other
Completion Report Date:	14-JUN-95	Pump:	Not Reported
Application Received:	31-MAY-95	Construction Review Date:	31-MAY-95
Permit Approval Date:	31-MAY-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	60	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	60
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069298&Panel=ViewAll		

O436
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016072**

Permit #:	72289	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	55	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076479&Panel=ViewAll		

O437
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016073**

Permit #:	72290	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	55	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076480&Panel=ViewAll		

O438
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016082**

Permit #:	72282	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076489&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O439
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016083**

Permit #:	72277	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	85	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076490&Panel=ViewAll		

O440
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016084**

Permit #:	72278	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	85	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076491&Panel=ViewAll		

O441
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016081**

Permit #:	72281	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076488&Panel=ViewAll		

O442
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016078**

Permit #:	72284	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076485&Panel=ViewAll		

O443
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016079**

Permit #:	72285	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87

Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076486&Panel=ViewAll		

O444
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000016080**

Permit #:	72280	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-DEC-87	Construction Review Date:	08-DEC-87
Permit Approval Date:	08-DEC-87	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	35	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60076487&Panel=ViewAll		

O445
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022634**

Permit #:	84423	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-OCT-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	01-OCT-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	38	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	35
Screen Base:	37	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	34
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	38	Gravel Top:	34
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083045&Panel=ViewAll		

O446
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000023209**

Permit #:	93086	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	25-NOV-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	25-NOV-92	Pump:	Not Reported
Application Received:	28-OCT-92	Construction Review Date:	28-OCT-92
Permit Approval Date:	28-OCT-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	11	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083620&Panel=ViewAll		

O447
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000023210**

Permit #:	93082	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	25-NOV-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	25-NOV-92	Pump:	Not Reported
Application Received:	28-OCT-92	Construction Review Date:	28-OCT-92
Permit Approval Date:	28-OCT-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	11	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083621&Panel=ViewAll		

O448
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000023212**

Permit #:	93083	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	25-NOV-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	25-NOV-92	Pump:	Not Reported
Application Received:	28-OCT-92	Construction Review Date:	28-OCT-92
Permit Approval Date:	28-OCT-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	11	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083623&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O449
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000023207**

Permit #:	93087	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	25-NOV-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	25-NOV-92	Pump:	Not Reported
Application Received:	28-OCT-92	Construction Review Date:	28-OCT-92
Permit Approval Date:	28-OCT-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	11	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083618&Panel=ViewAll		

O450
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000023204**

Permit #:	93088	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	25-NOV-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	25-NOV-92	Pump:	Not Reported
Application Received:	28-OCT-92	Construction Review Date:	28-OCT-92
Permit Approval Date:	28-OCT-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11

Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	11	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083615&Panel=ViewAll		

O451
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000023205**

Permit #:	93084	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	25-NOV-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	25-NOV-92	Pump:	Not Reported
Application Received:	28-OCT-92	Construction Review Date:	28-OCT-92
Permit Approval Date:	28-OCT-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	11	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083616&Panel=ViewAll		

O452
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000023206**

Permit #:	93085	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	25-NOV-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	25-NOV-92	Pump:	Not Reported
Application Received:	28-OCT-92	Construction Review Date:	28-OCT-92
Permit Approval Date:	28-OCT-92	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	13	Screen Material:	Steel
Inner Casing Base:	11	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083617&Panel=ViewAll		

O453
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000026655**

Permit #:	89331	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	29-JAN-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	29-JAN-92	Pump:	Not Reported
Application Received:	02-DEC-91	Construction Review Date:	02-DEC-91

Permit Approval Date:	02-DEC-91	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	19	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	2	Grout Material:	Bentonite
Gravel Base:	19	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	14	Well Contractor:	A C Schultes Of Delaware
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087066&Panel=ViewAll		

O454
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000026656**

Permit #:	89332	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-JAN-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	28-JAN-92	Pump:	Not Reported
Application Received:	02-DEC-91	Construction Review Date:	02-DEC-91
Permit Approval Date:	02-DEC-91	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	3
Grout Top:	2	Grout Material:	Bentonite
Gravel Base:	19	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	14	Well Contractor:	A C Schultes Of Delaware
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087067&Panel=ViewAll		

O455
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000026657**

Permit #:	89327	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	29-JAN-92	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	29-JAN-92	Pump:	Not Reported
Application Received:	02-DEC-91	Construction Review Date:	02-DEC-91
Permit Approval Date:	02-DEC-91	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	4
Screen Base:	19	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	2	Grout Material:	Bentonite
Gravel Base:	19	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	14	Well Contractor:	A C Schultes Of Delaware
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087068&Panel=ViewAll		

O456
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000024318**

Permit #:	98011	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	09-DEC-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	09-DEC-93	Pump:	Not Reported
Application Received:	22-NOV-93	Construction Review Date:	22-NOV-93
Permit Approval Date:	22-NOV-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	12	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	1
Screen Base:	11	Screen Material:	PVC
Inner Casing Base:	1	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	1
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	11	Gravel Top:	1
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60084729&Panel=ViewAll		

O457
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000024304**

Permit #:	98014	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	22-NOV-93	Construction Review Date:	22-NOV-93
Permit Approval Date:	22-NOV-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60084715&Panel=ViewAll		

O458
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000024308**

Permit #:	98012	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	09-DEC-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	09-DEC-93	Pump:	Not Reported
Application Received:	22-NOV-93	Construction Review Date:	22-NOV-93
Permit Approval Date:	22-NOV-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	12	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	1
Screen Base:	11	Screen Material:	PVC
Inner Casing Base:	1	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	1
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	11	Gravel Top:	1
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60084719&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O459
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000024309**

Permit #:	98013	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	22-NOV-93	Construction Review Date:	22-NOV-93
Permit Approval Date:	22-NOV-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60084720&Panel=ViewAll		

O460
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022653**

Permit #:	84427	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	03-OCT-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	03-OCT-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	71	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	71
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083064&Panel=ViewAll		

O461
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022639**

Permit #:	84422	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-SEP-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	28-SEP-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	11	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	7
Screen Base:	9	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	6
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	11	Gravel Top:	6
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083050&Panel=ViewAll		

O462
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022640**

Permit #:	84416	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	43	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083051&Panel=ViewAll		

O463
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022641**

Permit #:	84417	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Voided
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90

Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	43	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083052&Panel=ViewAll		

O464
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022638**

Permit #:	84421	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	10-OCT-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	10-OCT-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	44	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	40
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	44	Gravel Top:	40
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083049&Panel=ViewAll		

O465
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022635**

Permit #:	84424	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	10-OCT-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	10-OCT-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	65	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	65
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083046&Panel=ViewAll		

O466
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022636**

Permit #:	84425	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Voided

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	65	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083047&Panel=ViewAll		

O467
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022637**

Permit #:	84420	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	01-OCT-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	01-OCT-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	34	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	31
Screen Base:	33	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	30
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	34	Gravel Top:	30
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083048&Panel=ViewAll		

O468
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022647**

Permit #:	84195	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	10-SEP-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	10-SEP-90	Pump:	Not Reported
Application Received:	10-SEP-90	Construction Review Date:	10-SEP-90
Permit Approval Date:	10-SEP-90	Est Daily Use:	0
Abandon Report Date:	08/09/2011	Total Proposed Depth:	0
Actual Total Depth:	14	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	10
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	14	Gravel Top:	10
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5378	Well Contractor:	Summit Site Services Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083058&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O469
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022648**

Permit #:	84196	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	07-SEP-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	07-SEP-90	Pump:	Not Reported
Application Received:	07-SEP-90	Construction Review Date:	07-SEP-90
Permit Approval Date:	07-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	12
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	16	Gravel Top:	12
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083059&Panel=ViewAll		

O470
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022652**

Permit #:	84419	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	26-SEP-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	26-SEP-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	14

Screen Base:	16	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	13
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	13
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083063&Panel=ViewAll		

O471
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022645**

Permit #:	84415	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	27-SEP-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	27-SEP-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	08/09/2011	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	17
Screen Base:	19	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	16
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	20	Gravel Top:	16
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5378	Well Contractor:	Summit Site Services Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083056&Panel=ViewAll		

O472
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022642**

Permit #:	84418	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	26-SEP-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	26-SEP-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	28
Screen Base:	30	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	27
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	27
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083053&Panel=ViewAll		

O473
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022643**

Permit #:	84197	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	10-SEP-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	10-SEP-90	Pump:	Not Reported
Application Received:	30-AUG-90	Construction Review Date:	30-AUG-90

Permit Approval Date:	30-AUG-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083054&Panel=ViewAll		

O474
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000022644**

Permit #:	84414	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	27-SEP-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Air Rotary
Completion Report Date:	27-SEP-90	Pump:	Not Reported
Application Received:	19-SEP-90	Construction Review Date:	19-SEP-90
Permit Approval Date:	19-SEP-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	30
Screen Base:	32	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	29
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	29
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083055&Panel=ViewAll		

Q475
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110806**

Permit #:	217739	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4574485	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	99
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173141&Panel=ViewAll		

Q476
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110807**

Permit #:	217740	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4574485	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	99
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173142&Panel=ViewAll		

Q477
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110804**

Permit #:	217737	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4574485	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	99
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173139&Panel=ViewAll		

Q478
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110805**

Permit #:	217738	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4574485	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	99
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173140&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q479
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110810**

Permit #:	217743	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4574485	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	99
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173145&Panel=ViewAll		

Q480
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110811**

Permit #:	217744	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4574485	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	99
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173146&Panel=ViewAll		

Q481
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110808**

Permit #:	217741	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4574485	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	99
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173143&Panel=ViewAll		

Q482
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110809**

Permit #:	217742	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	Not Reported
Well Authorization Code:	4574485	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	19-JAN-07
Permit Approval Date:	19-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	99
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173144&Panel=ViewAll		

Q483
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110834**

Permit #:	217767	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4582076	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07

Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	114
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173169&Panel=ViewAll		

Q484
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110835**

Permit #:	217768	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4582076	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	114
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173170&Panel=ViewAll		

Q485
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110832**

Permit #:	217765	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4582076	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	114
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173167&Panel=ViewAll		

Q486
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110833**

Permit #:	217766	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4582076	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	114
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173168&Panel=ViewAll		

Q487
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110838**

Permit #:	217771	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4582076	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	114
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173173&Panel=ViewAll		

Q488
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110839**

Permit #:	217772	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4582076	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	114
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173174&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q489
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110836**

Permit #:	217769	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4582076	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	114
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173171&Panel=ViewAll		

Q490
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110837**

Permit #:	217770	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4582076	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	114
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173172&Panel=ViewAll		

491
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000135408**

Permit #:	242059	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Completed
Est Construction Date:	11-FEB-13	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	4178661	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-MAY-15	Pump:	Not Reported
Application Received:	10-JAN-13	Construction Review Date:	18-JAN-13
Permit Approval Date:	18-JAN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	120
Actual Total Depth:	0	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	None
Inner Casing Base:	100	Inner Casing Top:	0
Inner Casing Material:	None	Grout Base:	100
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	1042		
Well Contractor:	Hillis-Carnes Engineering Associates Inc		
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No

Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60668361&Panel=ViewAll		

O492
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110044**

Permit #:	216984	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171651&Panel=ViewAll		

O493
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110045**

Permit #:	216985	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported

Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171652&Panel=ViewAll		

O494
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110043**

Permit #:	216983	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No

Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171650&Panel=ViewAll		

O495
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110041**

Permit #:	216981	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171648&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O496
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110042**

Permit #:	216982	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171649&Panel=ViewAll		

O497
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110049**

Permit #:	216989	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171656&Panel=ViewAll		

O498
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110050**

Permit #:	216990	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171657&Panel=ViewAll		

O499
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110048**

Permit #:	216988	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171655&Panel=ViewAll		

O500
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110046**

Permit #:	216986	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06

Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171653&Panel=ViewAll		

O501
NE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110047**

Permit #:	216987	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171654&Panel=ViewAll		

S502
ESE **DE WELLS** **DE3000000110870**
1/2 - 1 Mile
Higher

Permit #:	217803	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4774079	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173205&Panel=ViewAll		

S503
ESE **DE WELLS** **DE3000000110871**
1/2 - 1 Mile
Higher

Permit #:	217804	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4774079	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173206&Panel=ViewAll		

S504
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110869**

Permit #:	217802	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4774079	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173204&Panel=ViewAll		

S505
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110867**

Permit #:	217800	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4774079	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173202&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S506
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110868**

Permit #:	217801	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4774079	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173203&Panel=ViewAll		

S507
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110875**

Permit #:	217808	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4774079	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173210&Panel=ViewAll		

S508
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110876**

Permit #:	217809	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4774079	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173211&Panel=ViewAll		

S509
ESE **DE WELLS** **DE3000000110874**
1/2 - 1 Mile
Higher

Permit #:	217807	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4774079	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173209&Panel=ViewAll		

S510
ESE **DE WELLS** **DE3000000110872**
1/2 - 1 Mile
Higher

Permit #:	217805	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4774079	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07

Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173207&Panel=ViewAll		

S511
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110873**

Permit #:	217806	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4774079	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-JAN-07	Construction Review Date:	17-JAN-07
Permit Approval Date:	17-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173208&Panel=ViewAll		

T512
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000140675**

Permit #:	247289	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	na
Well Authorization Code:	4108729	Proposed Drill Method:	Mud Rotary
Completion Report Date:	19-JUN-14	Pump:	Not Reported
Application Received:	05-JUN-14	Construction Review Date:	05-JUN-14
Permit Approval Date:	05-JUN-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	100
Actual Total Depth:	116	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	116	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	116
Grout Top:	0	Grout Material:	Bentonite/Cement Mixture
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	20-JUN-14
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60686818&Panel=ViewAll		

T513
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000140676**

Permit #:	247290	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Completed

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	na
Well Authorization Code:	4108729	Proposed Drill Method:	Mud Rotary
Completion Report Date:	19-JUN-14	Pump:	Not Reported
Application Received:	05-JUN-14	Construction Review Date:	05-JUN-14
Permit Approval Date:	05-JUN-14	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	100
Actual Total Depth:	113	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	113	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	113
Grout Top:	0	Grout Material:	Bentonite/Cement Mixture
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	20-JUN-14
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60686819&Panel=ViewAll		

U514
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110949**

Permit #:	217881	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4690623	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173314&Panel=ViewAll		

U515
ENE **DE WELLS** **DE3000000110948**
1/2 - 1 Mile
Higher

Permit #:	217880	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4690623	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173313&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

U516
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110950**

Permit #:	217882	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4690623	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173315&Panel=ViewAll		

U517
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110952**

Permit #:	217884	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4690623	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173317&Panel=ViewAll		

U518
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110951**

Permit #:	217883	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4690623	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173316&Panel=ViewAll		

Q519
ESE **DE WELLS** **DE3000000111173**
1/2 - 1 Mile
Higher

Permit #:	218105	Local Well ID:	0
Well Type:	Remediation I - Injection	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	3702181	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	11-JAN-07	Construction Review Date:	07-FEB-07
Permit Approval Date:	08-FEB-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	90
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	Yes	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	Yes	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173765&Panel=ViewAll		

Q520
ESE **DE WELLS** **DE3000000111172**
1/2 - 1 Mile
Higher

Permit #:	218104	Local Well ID:	0
Well Type:	Remediation I - Injection	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	3702181	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	11-JAN-07	Construction Review Date:	07-FEB-07

Permit Approval Date:	08-FEB-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	90
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	Yes	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	Yes	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173764&Panel=ViewAll		

Q521
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000111175**

Permit #:	218107	Local Well ID:	0
Well Type:	Remediation I - Injection	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	3702181	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	11-JAN-07	Construction Review Date:	07-FEB-07
Permit Approval Date:	08-FEB-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	90
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	Yes	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	Yes	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173767&Panel=ViewAll		

Q522
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000111174**

Permit #:	218106	Local Well ID:	0
Well Type:	Remediation I - Injection	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	3702181	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	11-JAN-07	Construction Review Date:	07-FEB-07
Permit Approval Date:	08-FEB-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	90
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	Yes	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	Yes	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173766&Panel=ViewAll		

523
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000157214**

Permit #:	263753	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Completed

Est Construction Date:	25-OCT-18	Est Max Capacity:	0
Tax ID:	26-058.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	6826943	Proposed Drill Method:	Augered
Completion Report Date:	21-NOV-18	Pump:	Not Reported
Application Received:	11-OCT-18	Construction Review Date:	11-OCT-18
Permit Approval Date:	22-OCT-18	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	80
Actual Total Depth:	80	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	None
Inner Casing Base:	80	Inner Casing Top:	0
Inner Casing Material:	None	Grout Base:	80
Grout Top:	0	Grout Material:	Bentonite/Cement Mixture
Gravel Base:	0	Gravel Top:	0
Gravel Material:	None	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5522	Well Contractor:	CGC Geoservices
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60747322&Panel=ViewAll		

V524
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000164860**

Permit #:	271407	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Pending
Est Construction Date:	22-SEP-20	Est Max Capacity:	0
Tax ID:	26-067.00-004	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-SEP-20	Construction Review Date:	09-SEP-20
Permit Approval Date:	Not Reported	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	100
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5578	Well Contractor:	Sano Drilling Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60775457&Panel=ViewAll		

525
NNE
1/2 - 1 Mile
Lower

DE WELLS **DE3000000035758**

Permit #:	178582	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-046.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-MAY-01	Construction Review Date:	10-MAY-01
Permit Approval Date:	10-MAY-01	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	92	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60096172&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V526
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124655**

Permit #:	231328	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	20-MAY-10	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	05-MAY-10	Construction Review Date:	13-MAY-10
Permit Approval Date:	13-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	These will be temporary sampling points. Installed, sampled, and closed all in the same day. No tags needed.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576507&Panel=ViewAll		

V527
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124656**

Permit #:	231329	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	20-MAY-10	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	05-MAY-10	Construction Review Date:	13-MAY-10
Permit Approval Date:	13-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0

Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	These will be temporary sampling points. Installed, sampled, and closed all in the same day. No tags needed.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576508&Panel=ViewAll		

V528
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124654**

Permit #:	231327	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	20-MAY-10	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	05-MAY-10	Construction Review Date:	13-MAY-10
Permit Approval Date:	13-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No

Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	These will be temporary sampling points. Installed, sampled, and closed all in the same day. No tags needed.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576506&Panel=ViewAll		

V529
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124652**

Permit #:	231325	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	20-MAY-10	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	05-MAY-10	Construction Review Date:	13-MAY-10
Permit Approval Date:	13-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	These will be temporary sampling points. Installed, sampled, and closed all in the same day. No tags needed.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576504&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V530
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124653**

Permit #:	231326	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	20-MAY-10	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	05-MAY-10	Construction Review Date:	13-MAY-10
Permit Approval Date:	13-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	These will be temporary sampling points. Installed, sampled, and closed all in the same day. No tags needed.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576505&Panel=ViewAll		

V531
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124660**

Permit #:	231333	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	20-MAY-10	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	05-MAY-10	Construction Review Date:	13-MAY-10
Permit Approval Date:	13-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0

Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	These will be temporary sampling points. Installed, sampled, and closed all in the same day. No tags needed.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576512&Panel=ViewAll		

V532
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124661**

Permit #:	231334	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	20-MAY-10	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	05-MAY-10	Construction Review Date:	13-MAY-10
Permit Approval Date:	13-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No

Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	These will be temporary sampling points. Installed, sampled, and closed all in the same day. No tags needed.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576513&Panel=ViewAll		

V533
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124659**

Permit #:	231332	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	20-MAY-10	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	05-MAY-10	Construction Review Date:	13-MAY-10
Permit Approval Date:	13-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	These will be temporary sampling points. Installed, sampled, and closed all in the same day. No tags needed.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576511&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V534
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124657**

Permit #:	231330	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	20-MAY-10	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	05-MAY-10	Construction Review Date:	13-MAY-10
Permit Approval Date:	13-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	These will be temporary sampling points. Installed, sampled, and closed all in the same day. No tags needed.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576509&Panel=ViewAll		

V535
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124658**

Permit #:	231331	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	20-MAY-10	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	05-MAY-10	Construction Review Date:	13-MAY-10
Permit Approval Date:	13-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0

Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	These will be temporary sampling points. Installed, sampled, and closed all in the same day. No tags needed.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576510&Panel=ViewAll		

W536
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033172**

Permit #:	201490	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	05-NOV-04	Est Max Capacity:	0
Tax ID:	26-063.00-018	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	05-NOV-04	Pump:	Not Reported
Application Received:	25-MAY-04	Construction Review Date:	25-MAY-04
Permit Approval Date:	25-MAY-04	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	62
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	62
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No

Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093586&Panel=ViewAll		

U537
ENE **DE WELLS** **DE3000000110942**
1/2 - 1 Mile
Higher

Permit #:	217874	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4682076	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173307&Panel=ViewAll		

V538
SW **DE WELLS** **DE3000000125356**
1/2 - 1 Mile
Lower

Permit #:	232018	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0

Tax ID:	26-066.00-001	Septic Permit #:	n/a
Well Authorization Code:	5947329	Proposed Drill Method:	Geo-Probe
Completion Report Date:	02-AUG-10	Pump:	Not Reported
Application Received:	06-JUL-10	Construction Review Date:	06-JUL-10
Permit Approval Date:	06-JUL-10	Est Daily Use:	0
Abandon Report Date:	10/04/2010	Total Proposed Depth:	9
Actual Total Depth:	8	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	3
Screen Base:	8	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	8	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	07-JUL-10
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60578309&Panel=ViewAll		

V539
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000125357**

Permit #:	232019	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	n/a
Well Authorization Code:	5947329	Proposed Drill Method:	Geo-Probe
Completion Report Date:	02-AUG-10	Pump:	Not Reported
Application Received:	06-JUL-10	Construction Review Date:	06-JUL-10
Permit Approval Date:	06-JUL-10	Est Daily Use:	0
Abandon Report Date:	10/04/2010	Total Proposed Depth:	9
Actual Total Depth:	8	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	None	Screen Top:	6
Screen Base:	8	Screen Material:	PVC
Inner Casing Base:	6	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	8	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	7	Water Level Date:	07-JUL-10
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported

License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60578310&Panel=ViewAll		

V540
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000125358**

Permit #:	232020	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-066.00-001	Septic Permit #:	n/a
Well Authorization Code:	5947329	Proposed Drill Method:	Geo-Probe
Completion Report Date:	02-AUG-10	Pump:	Not Reported
Application Received:	06-JUL-10	Construction Review Date:	06-JUL-10
Permit Approval Date:	06-JUL-10	Est Daily Use:	0
Abandon Report Date:	10/04/2010	Total Proposed Depth:	9
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	6
Screen Base:	11	Screen Material:	PVC
Inner Casing Base:	6	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	11	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	7	Water Level Date:	07-JUL-10
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60578311&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

X541
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000004964**

Permit #:	213016	Local Well ID:	0
Well Type:	Not Reported	Well Status:	Well Abandoned
Est Construction Date:	19-JAN-06	Est Max Capacity:	0
Tax ID:	26-052.00-004	Septic Permit #:	n/a
Well Authorization Code:	4424799	Proposed Drill Method:	Geo-Probe
Completion Report Date:	24-APR-06	Pump:	Not Reported
Application Received:	19-JAN-06	Construction Review Date:	23-JAN-06
Permit Approval Date:	23-JAN-06	Est Daily Use:	0
Abandon Report Date:	01/26/2006	Total Proposed Depth:	150
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Standard T	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	19-JAN-06
Replaced Well Permit #:	Not Reported	How Abandoned:	Bad Water
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60065138&Panel=ViewAll		

Y542
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000000440**

Permit #:	208440	Local Well ID:	0
Well Type:	Not Reported	Well Status:	Active
Est Construction Date:	19-JAN-05	Est Max Capacity:	0
Tax ID:	26-066.00-005	Septic Permit #:	Not Reported
Well Authorization Code:	1117KUQ3	Proposed Drill Method:	Augered
Completion Report Date:	17-NOV-05	Pump:	NONE
Application Received:	19-JAN-05	Construction Review Date:	04-FEB-05
Permit Approval Date:	04-FEB-05	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	72
Actual Total Depth:	73	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	61

Screen Base:	71	Screen Material:	PVC
Inner Casing Base:	61	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	58
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	73	Gravel Top:	58
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	25-JAN-06
Replaced Well Permit #:	Not Reported	How Abandoned:	Bad Water
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	YES	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	1
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60059217&Panel=ViewAll		

Z543
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033171**

Permit #:	173172	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	09-AUG-00	Est Max Capacity:	0
Tax ID:	26-063.00-018	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	09-AUG-00	Pump:	Not Reported
Application Received:	06-JUL-00	Construction Review Date:	06-JUL-00
Permit Approval Date:	06-JUL-00	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	14	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	12
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	14	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093585&Panel=ViewAll		

Z544
WSW **DE WELLS** **DE3000000033170**
1/2 - 1 Mile
Lower

Permit #:	173171	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	10-AUG-00	Est Max Capacity:	0
Tax ID:	26-063.00-018	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	10-AUG-00	Pump:	Not Reported
Application Received:	06-JUL-00	Construction Review Date:	06-JUL-00
Permit Approval Date:	06-JUL-00	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	14	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	12
Well Terminus Type:	None	Screen Top:	2
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	2	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	14	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093584&Panel=ViewAll		

Z545
WSW **DE WELLS** **DE3000000033174**
1/2 - 1 Mile
Lower

Permit #:	173170	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	09-AUG-00	Est Max Capacity:	0
Tax ID:	26-063.00-018	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	09-AUG-00	Pump:	Not Reported
Application Received:	06-JUL-00	Construction Review Date:	06-JUL-00

Permit Approval Date:	06-JUL-00	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	8	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	12
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	8	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	09-AUG-00
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093588&Panel=ViewAll		

Z546
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033173**

Permit #:	173169	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	11-AUG-00	Est Max Capacity:	0
Tax ID:	26-063.00-018	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	11-AUG-00	Pump:	Not Reported
Application Received:	06-JUL-00	Construction Review Date:	06-JUL-00
Permit Approval Date:	06-JUL-00	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	16	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	12
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	2	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	16	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093587&Panel=ViewAll		

AA547
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110944**

Permit #:	217876	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4677526	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173309&Panel=ViewAll		

AA548
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110943**

Permit #:	217875	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4677526	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173308&Panel=ViewAll		

AA549
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110945**

Permit #:	217877	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4677526	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173310&Panel=ViewAll		

AA550
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110947**

Permit #:	217879	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4677526	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173312&Panel=ViewAll		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AA551
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110946**

Permit #:	217878	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4677526	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173311&Panel=ViewAll		

AB552
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137345**

Permit #:	243973	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3348966	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	25-JUN-13
Permit Approval Date:	25-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	7

Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	16-AUG-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673821&Panel=ViewAll		

AB553
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137346**

Permit #:	243974	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3348966	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	25-JUN-13
Permit Approval Date:	25-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	16-AUG-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673822&Panel=ViewAll		

AB554
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137347**

Permit #:	243975	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3348966	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	25-JUN-13
Permit Approval Date:	25-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	16-AUG-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673823&Panel=ViewAll		

AB555
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137342**

Permit #:	243970	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3348966	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	25-JUN-13

Permit Approval Date:	25-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	16-AUG-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673818&Panel=ViewAll		

AB556
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137343**

Permit #:	243971	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3348966	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	25-JUN-13
Permit Approval Date:	25-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	16-AUG-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673819&Panel=ViewAll		

AB557
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137344**

Permit #:	243972	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3348966	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	25-JUN-13
Permit Approval Date:	25-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	16-AUG-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673820&Panel=ViewAll		

AB558
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137348**

Permit #:	243976	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Completed

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3348966	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	25-JUN-13
Permit Approval Date:	25-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	16-AUG-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673824&Panel=ViewAll		

AB559
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137352**

Permit #:	243980	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3342514	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	27-JUN-13
Permit Approval Date:	27-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	16-AUG-13

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673828&Panel=ViewAll		

AB560
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137353**

Permit #:	243981	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3342514	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	27-JUN-13
Permit Approval Date:	27-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	16-AUG-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673829&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AB561
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137354**

Permit #:	243982	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3342514	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	27-JUN-13
Permit Approval Date:	27-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	36
Well Terminus Type:	Other	Screen Top:	7
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	16-AUG-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673830&Panel=ViewAll		

AB562
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137349**

Permit #:	243977	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3348966	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	25-JUN-13
Permit Approval Date:	25-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	7

Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	16-AUG-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673825&Panel=ViewAll		

AB563
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137350**

Permit #:	243978	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3348966	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	25-JUN-13
Permit Approval Date:	25-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673826&Panel=ViewAll		

AB564
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000137351**

Permit #:	243979	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	3348966	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-AUG-13	Pump:	Not Reported
Application Received:	20-JUN-13	Construction Review Date:	25-JUN-13
Permit Approval Date:	25-JUN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60673827&Panel=ViewAll		

565
South
1/2 - 1 Mile
Lower

DE WELLS **DE3000000163975**

Permit #:	270521	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-067.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	24-JUN-20	Construction Review Date:	30-JUN-20

Permit Approval Date:	30-JUN-20	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5285	Well Contractor:	Corrado American LLC
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60772238&Panel=ViewAll		

Y566
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000000826**

Permit #:	208827	Local Well ID:	0
Well Type:	Not Reported	Well Status:	Permit Expired
Est Construction Date:	22-FEB-05	Est Max Capacity:	0
Tax ID:	26-066.00-005	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	16-FEB-05	Pump:	NONE
Application Received:	16-FEB-05	Construction Review Date:	16-FEB-05
Permit Approval Date:	16-FEB-05	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	72
Actual Total Depth:	40	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	40
Grout Top:	0	Grout Material:	Gravel
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	13-APR-05
Replaced Well Permit #:	Not Reported	How Abandoned:	Bad Water
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	YES	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	1
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60059770&Panel=ViewAll		

Y567
SW **DE WELLS** **DE3000000000827**
1/2 - 1 Mile
Lower

Permit #:	208828	Local Well ID:	0
Well Type:	Not Reported	Well Status:	Issued
Est Construction Date:	16-FEB-05	Est Max Capacity:	0
Tax ID:	26-066.00-005	Septic Permit #:	Not Reported
Well Authorization Code:	0216XZ0E	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	16-FEB-05	Construction Review Date:	16-FEB-05
Permit Approval Date:	16-FEB-05	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	72
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Standard T	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	13-APR-05
Replaced Well Permit #:	Not Reported	How Abandoned:	Bad Water
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60059771&Panel=ViewAll		

Y568
WSW **DE WELLS** **DE3000000013810**
1/2 - 1 Mile
Lower

Permit #:	201491	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	05-NOV-04	Est Max Capacity:	0
Tax ID:	26-066.00-005	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	05-NOV-04	Pump:	Not Reported
Application Received:	25-MAY-04	Construction Review Date:	25-MAY-04
Permit Approval Date:	25-MAY-04	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	115	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	103
Screen Base:	113	Screen Material:	PVC
Inner Casing Base:	103	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	98
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	115	Gravel Top:	98
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60074210&Panel=ViewAll		

W569
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231759**

Organization ID:	USGS-MD	Organization Name:	USGS Maryland Water Science Center
Monitor Location:	SMW-02	Type:	Well
Description:	WELL USED IN STUDY BY USGS FOR EPA, 1990, HALBY		
HUC:	02040205	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported		
Aquifer:	Northern Atlantic Coastal Plain aquifer system		
Formation Type:	Columbia Group	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	42
Well Depth Units:	ft	Well Hole Depth:	42
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	3	Level reading date:	1990-06-28
Feet below surface:	3.53	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1990-06-14	Feet below surface:	3.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-04	Feet below surface:	6.90

Feet to sea level:	Not Reported	Note:	Not Reported

X570
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000108735**

Permit #:	215686	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-004	Septic Permit #:	n/a
Well Authorization Code:	6231971	Proposed Drill Method:	Geo-Probe
Completion Report Date:	02-NOV-15	Pump:	Not Reported
Application Received:	18-JUL-06	Construction Review Date:	26-JUL-06
Permit Approval Date:	26-JUL-06	Est Daily Use:	0
Abandon Report Date:	08/09/2006	Total Proposed Depth:	10
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60169502&Panel=ViewAll		

X571
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000108734**

Permit #:	215685	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-004	Septic Permit #:	n/a
Well Authorization Code:	6231971	Proposed Drill Method:	Geo-Probe
Completion Report Date:	02-NOV-15	Pump:	Not Reported
Application Received:	18-JUL-06	Construction Review Date:	26-JUL-06
Permit Approval Date:	26-JUL-06	Est Daily Use:	0
Abandon Report Date:	08/09/2006	Total Proposed Depth:	10
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0

Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60169501&Panel=ViewAll		

X572
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000108737**

Permit #:	215688	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-004	Septic Permit #:	n/a
Well Authorization Code:	6231971	Proposed Drill Method:	Geo-Probe
Completion Report Date:	02-NOV-15	Pump:	Not Reported
Application Received:	18-JUL-06	Construction Review Date:	26-JUL-06
Permit Approval Date:	26-JUL-06	Est Daily Use:	0
Abandon Report Date:	09/11/2019	Total Proposed Depth:	10
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No

Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60169504&Panel=ViewAll		

X573
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000108736**

Permit #:	215687	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-004	Septic Permit #:	n/a
Well Authorization Code:	6231971	Proposed Drill Method:	Geo-Probe
Completion Report Date:	02-NOV-15	Pump:	Not Reported
Application Received:	18-JUL-06	Construction Review Date:	26-JUL-06
Permit Approval Date:	26-JUL-06	Est Daily Use:	0
Abandon Report Date:	10/09/2015	Total Proposed Depth:	10
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60169503&Panel=ViewAll		

AC574
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231758**

Organization ID:	USGS-MD	Organization Name:	USGS Maryland Water Science Center
Monitor Location:	W-04B	Type:	Well
Description:	WELL USED IN STUDY BY USGS FOR EPA, 1990, HALBY		
HUC:	02040205	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported		

Aquifer:	Northern Atlantic Coastal Plain aquifer system		
Formation Type:	Potomac Formation	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	73
Well Depth Units:	ft	Well Hole Depth:	73
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	3	Level reading date:	1990-06-28
Feet below surface:	4.21	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1990-06-14	Feet below surface:	3.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-04	Feet below surface:	5.70
Feet to sea level:	Not Reported	Note:	Not Reported

AC575
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231757**

Organization ID:	USGS-MD	Organization Name:	USGS Maryland Water Science Center
Monitor Location:	W-04A	Type:	Well
Description:	WELL USED IN STUDY BY USGS FOR EPA, 1990, HALBY		
HUC:	02040205	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported		
Aquifer:	Northern Atlantic Coastal Plain aquifer system		
Formation Type:	Columbia Group	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	26
Well Depth Units:	ft	Well Hole Depth:	26
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	3	Level reading date:	1990-06-28
Feet below surface:	3.48	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1990-06-14	Feet below surface:	3.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-04	Feet below surface:	6.75
Feet to sea level:	Not Reported	Note:	Not Reported

576
South
1/2 - 1 Mile
Lower

DE WELLS **DE3000000004454**

Permit #:	212506	Local Well ID:	0
Well Type:	Not Reported	Well Status:	Well Abandoned
Est Construction Date:	29-NOV-05	Est Max Capacity:	0
Tax ID:	1-33-20.00-0017.18	Septic Permit #:	Local ID=B-1
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	19-MAY-06	Pump:	Not Reported
Application Received:	29-NOV-05	Construction Review Date:	02-DEC-05
Permit Approval Date:	02-DEC-05	Est Daily Use:	0
Abandon Report Date:	04/14/2006	Total Proposed Depth:	150
Actual Total Depth:	75	Min Well Diameter:	0

Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Standard T	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	75
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	13-APR-05
Replaced Well Permit #:	Not Reported	How Abandoned:	Bad Water
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60064499&Panel=ViewAll		

AD577
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000115252**

Permit #:	222134	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-066.00-004	Septic Permit #:	n/a
Well Authorization Code:	3491015	Proposed Drill Method:	Hydropunch
Completion Report Date:	10-DEC-07	Pump:	Not Reported
Application Received:	20-NOV-07	Construction Review Date:	26-NOV-07
Permit Approval Date:	26-NOV-07	Est Daily Use:	0
Abandon Report Date:	11/28/2007	Total Proposed Depth:	11
Actual Total Depth:	11	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No

Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60180381&Panel=ViewAll		

AD578
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000116603**

Permit #:	223472	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-066.00-004	Septic Permit #:	n/a
Well Authorization Code:	3403733	Proposed Drill Method:	Other
Completion Report Date:	07-JUL-08	Pump:	Not Reported
Application Received:	27-MAR-08	Construction Review Date:	31-MAR-08
Permit Approval Date:	31-MAR-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	-3
Well Terminus Type:	Pad Mount	Screen Top:	6
Screen Base:	16	Screen Material:	PVC
Inner Casing Base:	6	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	16	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	9	Water Level Date:	18-JUN-08
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60182334&Panel=ViewAll		

AD579
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000116604**

Permit #:	223473	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-066.00-004	Septic Permit #:	n/a
Well Authorization Code:	3403733	Proposed Drill Method:	Other

Completion Report Date:	07-JUL-08	Pump:	Not Reported
Application Received:	27-MAR-08	Construction Review Date:	31-MAR-08
Permit Approval Date:	31-MAR-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	-3
Well Terminus Type:	Pad Mount	Screen Top:	6
Screen Base:	16	Screen Material:	PVC
Inner Casing Base:	6	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	16	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	7	Water Level Date:	18-JUN-08
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60182335&Panel=ViewAll		

AD580
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000116605**

Permit #:	223474	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-066.00-004	Septic Permit #:	n/a
Well Authorization Code:	3403733	Proposed Drill Method:	Other
Completion Report Date:	07-JUL-08	Pump:	Not Reported
Application Received:	27-MAR-08	Construction Review Date:	31-MAR-08
Permit Approval Date:	31-MAR-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	-3
Well Terminus Type:	Pad Mount	Screen Top:	6
Screen Base:	16	Screen Material:	PVC
Inner Casing Base:	6	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	16	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	9	Water Level Date:	18-JUN-08
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont

Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60182336&Panel=ViewAll		

AE581
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021985**

Permit #:	111882	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082396&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE582
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021978**

Permit #:	111888	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082389&Panel=ViewAll		

AE583
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021984**

Permit #:	111881	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082395&Panel=ViewAll		

AE584
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021977**

Permit #:	111887	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082388&Panel=ViewAll		

585
ESE **DE WELLS** **DE3000000110302**
1/2 - 1 Mile
Higher

Permit #:	217240	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	275
Tax ID:	06-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	5605431	Proposed Drill Method:	Other
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	27-NOV-06	Construction Review Date:	29-NOV-06
Permit Approval Date:	29-NOV-06	Est Daily Use:	49500
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5257	Well Contractor:	Doug Trencher
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	Yes
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	Yes	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60172119&Panel=ViewAll		

AE586
WSW **DE WELLS** **DE3000000021966**
1/2 - 1 Mile
Lower

Permit #:	110357	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Active
Est Construction Date:	03-JAN-97	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	03-JAN-97	Pump:	Not Reported
Application Received:	03-DEC-96	Construction Review Date:	03-DEC-96

Permit Approval Date:	03-DEC-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082377&Panel=ViewAll		

AF587
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110762**

Permit #:	217695	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4156519	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	100
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173051&Panel=ViewAll		

AF588
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110763**

Permit #:	217696	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4156519	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	100
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173052&Panel=ViewAll		

AF589
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110761**

Permit #:	217694	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4156519	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	100
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173050&Panel=ViewAll		

AF590
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110759**

Permit #:	217692	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4156519	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	100
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173048&Panel=ViewAll		

AF591
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110760**

Permit #:	217693	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4156519	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	100
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173049&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AF592
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110767**

Permit #:	217700	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4156519	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	100
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173056&Panel=ViewAll		

AF593
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110768**

Permit #:	217701	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4156519	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	100
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173057&Panel=ViewAll		

AF594
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110766**

Permit #:	217699	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4156519	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	100
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173055&Panel=ViewAll		

AF595
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110764**

Permit #:	217697	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4156519	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07
Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	100
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173053&Panel=ViewAll		

AF596
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110765**

Permit #:	217698	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4156519	Proposed Drill Method:	Mud Rotary
Completion Report Date:	04-JUN-12	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	11-JAN-07

Permit Approval Date:	11-JAN-07	Est Daily Use:	0
Abandon Report Date:	03/07/2012	Total Proposed Depth:	100
Actual Total Depth:	100	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	31	Well Contractor:	A C Schultes Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173054&Panel=ViewAll		

AD597
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138196**

Permit #:	244819	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-066.00-006	Septic Permit #:	n/a
Well Authorization Code:	5511320	Proposed Drill Method:	Hydropunch
Completion Report Date:	24-OCT-13	Pump:	Not Reported
Application Received:	18-SEP-13	Construction Review Date:	24-SEP-13
Permit Approval Date:	24-SEP-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	14
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	3
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	9	Water Level Date:	24-OCT-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60678276&Panel=ViewAll		

AD598
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138197**

Permit #:	244820	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-066.00-006	Septic Permit #:	n/a
Well Authorization Code:	5511320	Proposed Drill Method:	Hydropunch
Completion Report Date:	24-OCT-13	Pump:	Not Reported
Application Received:	18-SEP-13	Construction Review Date:	24-SEP-13
Permit Approval Date:	24-SEP-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	14
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	4
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	6	Water Level Date:	24-OCT-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60678277&Panel=ViewAll		

AD599
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138198**

Permit #:	244821	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-066.00-006	Septic Permit #:	n/a
Well Authorization Code:	5511320	Proposed Drill Method:	Hydropunch
Completion Report Date:	24-OCT-13	Pump:	Not Reported
Application Received:	18-SEP-13	Construction Review Date:	24-SEP-13
Permit Approval Date:	24-SEP-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	14
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	3
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	4	Water Level Date:	24-OCT-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60678278&Panel=ViewAll		

AG600
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027486**

Permit #:	194751	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-006	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	07-JUL-03	Construction Review Date:	07-JUL-03
Permit Approval Date:	07-JUL-03	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087897&Panel=ViewAll		

AG601
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027488**

Permit #:	194810	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-006	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	07-JUL-03	Construction Review Date:	07-JUL-03
Permit Approval Date:	07-JUL-03	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087899&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AC602
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021997**

Permit #:	111884	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082408&Panel=ViewAll		

AC603
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021980**

Permit #:	111883	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082391&Panel=ViewAll		

604
ESE
1/2 - 1 Mile
Lower

DE WELLS **DE3000000135409**

Permit #:	242060	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	27-JAN-13	Est Max Capacity:	0
Tax ID:	26-065.00-002	Septic Permit #:	n/a
Well Authorization Code:	4190484	Proposed Drill Method:	Mud Rotary
Completion Report Date:	28-FEB-13	Pump:	Not Reported
Application Received:	10-JAN-13	Construction Review Date:	23-JAN-13
Permit Approval Date:	23-JAN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	140
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	170
Screen Base:	180	Screen Material:	PVC
Inner Casing Base:	170	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	168
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	180	Gravel Top:	168
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	no records	How Abandoned:	Not Reported
License #:	1042		
Well Contractor:	Hillis-Carnes Engineering Associates Inc		
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No

Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60668362&Panel=ViewAll		

605
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000131152**

Permit #:	237853	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-067.00-003	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-DEC-11	Construction Review Date:	14-DEC-11
Permit Approval Date:	14-DEC-11	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	50
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5378	Well Contractor:	Summit Site Services Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60600738&Panel=ViewAll		

AC606
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021968**

Permit #:	111868	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported

Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082379&Panel=ViewAll		

AC607
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021972**

Permit #:	111866	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No

Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082383&Panel=ViewAll		

AE608
WSW **DE WELLS** **DE3000000021981**
1/2 - 1 Mile
Lower

Permit #:	111885	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	03-MAY-97	Construction Review Date:	03-MAY-97
Permit Approval Date:	03-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082392&Panel=ViewAll		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AH609
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023130**

Permit #:	160438	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	11-SEP-98	Est Max Capacity:	0
Tax ID:	26-052.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	11-SEP-98	Pump:	Not Reported
Application Received:	08-SEP-98	Construction Review Date:	08-SEP-98
Permit Approval Date:	08-SEP-98	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	44	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	39
Screen Base:	44	Screen Material:	PVC
Inner Casing Base:	39	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	37
Grout Top:	0	Grout Material:	Other
Gravel Base:	44	Gravel Top:	37
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083541&Panel=ViewAll		

AC610
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021973**

Permit #:	111867	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082384&Panel=ViewAll		

AC611
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021987**

Permit #:	111876	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082398&Panel=ViewAll		

AC612
WSW **DE WELLS** **DE3000000021991**
1/2 - 1 Mile
Lower

Permit #:	111874	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082402&Panel=ViewAll		

AC613
WSW **DE WELLS** **DE3000000021986**
1/2 - 1 Mile
Lower

Permit #:	111875	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97

Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082397&Panel=ViewAll		

AE614
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021982**

Permit #:	111886	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082393&Panel=ViewAll		

AC615
WSW **DE WELLS** **DE3000000021998**
1/2 - 1 Mile
Lower

Permit #:	111873	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082409&Panel=ViewAll		

AI616
ENE **DE WELLS** **DE3000000110939**
1/2 - 1 Mile
Higher

Permit #:	217871	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4694540	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173304&Panel=ViewAll		

AI617
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110940**

Permit #:	217872	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4694540	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173305&Panel=ViewAll		

AI618
ENE
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110941**

Permit #:	217873	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4694540	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JAN-07	Construction Review Date:	24-JAN-07
Permit Approval Date:	24-JAN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	508	Well Contractor:	H P Drilling Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60173306&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AC619
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021983**

Permit #:	111880	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082394&Panel=ViewAll		

AC620
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021969**

Permit #:	111869	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082380&Panel=ViewAll		

AJ621
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000161910**

Permit #:	268457	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	07-JAN-20	Est Max Capacity:	0
Tax ID:	10-006.10-001	Septic Permit #:	n/a
Well Authorization Code:	6296888	Proposed Drill Method:	Geo-Probe
Completion Report Date:	18-FEB-20	Pump:	Not Reported
Application Received:	30-DEC-19	Construction Review Date:	31-DEC-19
Permit Approval Date:	31-DEC-19	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	14	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	4
Screen Base:	14	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	None
Gravel Base:	14	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Monitor Standard - Tags required.
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60764561&Panel=ViewAll		

AJ622
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000161911**

Permit #:	268458	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	07-JAN-20	Est Max Capacity:	0
Tax ID:	10-006.10-001	Septic Permit #:	n/a
Well Authorization Code:	6296888	Proposed Drill Method:	Geo-Probe
Completion Report Date:	18-FEB-20	Pump:	Not Reported
Application Received:	30-DEC-19	Construction Review Date:	31-DEC-19
Permit Approval Date:	31-DEC-19	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	14	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	4
Screen Base:	14	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	None
Gravel Base:	14	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Monitor Standard - Tags required.
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60764562&Panel=ViewAll		

AE623
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021994**

Permit #:	110894	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	17-FEB-97	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	17-FEB-97	Pump:	Not Reported
Application Received:	12-FEB-97	Construction Review Date:	12-FEB-97

Permit Approval Date:	12-FEB-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	6
Max Well Diameter:	6	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082405&Panel=ViewAll		

AC624
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021996**

Permit #:	111879	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082407&Panel=ViewAll		

AC625
WSW **DE WELLS** **DE3000000021965**
1/2 - 1 Mile
Lower

Permit #:	111871	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082376&Panel=ViewAll		

AC626
WSW **DE WELLS** **DE3000000021990**
1/2 - 1 Mile
Lower

Permit #:	111872	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082401&Panel=ViewAll		

AC627
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021970**

Permit #:	111870	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082381&Panel=ViewAll		

AD628
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000117117**

Permit #:	223976	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-066.00-004	Septic Permit #:	n/a
Well Authorization Code:	3413108	Proposed Drill Method:	Hydropunch
Completion Report Date:	07-JUL-08	Pump:	Not Reported
Application Received:	07-MAY-08	Construction Review Date:	13-MAY-08
Permit Approval Date:	13-MAY-08	Est Daily Use:	0
Abandon Report Date:	06/18/2008	Total Proposed Depth:	20
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60314266&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AC629
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021999**

Permit #:	111878	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082410&Panel=ViewAll		

AC630
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021988**

Permit #:	111877	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082399&Panel=ViewAll		

AJ631
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231755**

Organization ID:	USGS-MD	Organization Name:	USGS Maryland Water Science Center
Monitor Location:	Cd23-14	Type:	Well
Description:	DGS Lat/Long:N394308W753215S		
HUC:	02040205	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported		
Aquifer:	Northern Atlantic Coastal Plain aquifer system		
Formation Type:	Potomac Formation	Aquifer Type:	Not Reported
Construction Date:	19690912	Well Depth:	145
Well Depth Units:	ft	Well Hole Depth:	145
Well Hole Depth Units:	ft		

AK632
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110039**

Permit #:	216979	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	7001407	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171646&Panel=ViewAll		

AK633
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110040**

Permit #:	216980	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	7001407	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171647&Panel=ViewAll		

AC634
WSW **DE WELLS** **DE3000000021967**
1/2 - 1 Mile
Lower

Permit #:	110359	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	10-006.10-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	03-DEC-96	Construction Review Date:	03-DEC-96
Permit Approval Date:	03-DEC-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082378&Panel=ViewAll		

AE635
WSW **DE WELLS** **DE3000000021976**
1/2 - 1 Mile
Lower

Permit #:	111863	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97

Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082387&Panel=ViewAll		

AL636
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000151232**

Permit #:	257792	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Completed
Est Construction Date:	29-MAR-17	Est Max Capacity:	0
Tax ID:	26-052.00-006	Septic Permit #:	Not Reported
Well Authorization Code:	4118891	Proposed Drill Method:	Augered
Completion Report Date:	05-APR-17	Pump:	Not Reported
Application Received:	28-MAR-17	Construction Review Date:	28-MAR-17
Permit Approval Date:	29-MAR-17	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	70
Actual Total Depth:	89	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	None
Inner Casing Base:	89	Inner Casing Top:	0
Inner Casing Material:	Brick	Grout Base:	89
Grout Top:	0	Grout Material:	Bentonite/Cement Mixture
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5522	Well Contractor:	CGC Geoservices
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60724662&Panel=ViewAll		

AE637
WSW **DE WELLS** **DE3000000021971**
1/2 - 1 Mile
Lower

Permit #:	111864	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082382&Panel=ViewAll		

AE638
WSW **DE WELLS** **DE3000000021995**
1/2 - 1 Mile
Lower

Permit #:	111865	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082406&Panel=ViewAll		

AC639
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021951**

Permit #:	45007	Local Well ID:	0
Well Type:	Domestic - Standard	Well Status:	Pending
Est Construction Date:	19-MAY-80	Est Max Capacity:	20
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	19-MAY-80	Pump:	Not Reported
Application Received:	12-DEC-79	Construction Review Date:	12-DEC-79
Permit Approval Date:	12-DEC-79	Est Daily Use:	200
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	63	Min Well Diameter:	3
Max Well Diameter:	3	Well Terminus Inches:	8
Well Terminus Type:	Pitless Adaptor	Screen Top:	58
Screen Base:	63	Screen Material:	Steel
Inner Casing Base:	58	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	45
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	63	Gravel Top:	45
Gravel Material:	Gravel	Intake Settings:	42
Test Rate:	30	Rated Capacity:	10
Test Time:	2	Water Level:	45
Static Water Level:	0	Water Level Date:	19-MAY-80

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4058	Well Contractor:	Walter E Welldriler
Watershed:	Christina River	Basin:	Piedmont
Potable:	Yes	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082362&Panel=ViewAll		

AM640
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000163676**

Permit #:	270222	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	10
Tax ID:	26-067.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-JUN-20	Construction Review Date:	25-JUN-20
Permit Approval Date:	01-JUL-20	Est Daily Use:	1500
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5257	Well Contractor:	Doug Trencher
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60771414&Panel=ViewAll		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AN641
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231756**

Organization ID:	USGS-MD	Organization Name:	USGS Maryland Water Science Center
Monitor Location:	SMW-01	Type:	Well
Description:	WELL USED IN STUDY BY USGS FOR EPA, 1990 HALBY		
HUC:	02040205	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported		
Aquifer:	Northern Atlantic Coastal Plain aquifer system		
Formation Type:	Columbia Group	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	31
Well Depth Units:	ft	Well Hole Depth:	31
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	3	Level reading date:	1990-06-28
Feet below surface:	4.71	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1990-06-14	Feet below surface:	4.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-04	Feet below surface:	4.25
Feet to sea level:	Not Reported	Note:	Not Reported

AO642
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124066**

Permit #:	230750	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-002	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-MAR-10	Construction Review Date:	09-MAR-10
Permit Approval Date:	09-MAR-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	25
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	1035	Well Contractor:	Cascade Technical Services, LLC
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60575133&Panel=ViewAll		

AH643
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124063**

Permit #:	230747	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-002	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-MAR-10	Construction Review Date:	09-MAR-10
Permit Approval Date:	09-MAR-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	25
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	1035	Well Contractor:	Cascade Technical Services, LLC
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60575130&Panel=ViewAll		

AH644
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124064**

Permit #:	230748	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-002	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-MAR-10	Construction Review Date:	09-MAR-10
Permit Approval Date:	09-MAR-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	25
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	1035	Well Contractor:	Cascade Technical Services, LLC
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60575131&Panel=ViewAll		

AH645
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124065**

Permit #:	230749	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-002	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	09-MAR-10	Construction Review Date:	09-MAR-10
Permit Approval Date:	09-MAR-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	25
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	1035	Well Contractor:	Cascade Technical Services, LLC
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60575132&Panel=ViewAll		

AJ646
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000008834**

Permit #:	204487	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	10-006.00-005	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	06-JAN-10	Pump:	Not Reported
Application Received:	05-OCT-04	Construction Review Date:	05-OCT-04
Permit Approval Date:	05-OCT-04	Est Daily Use:	0
Abandon Report Date:	10/12/2009	Total Proposed Depth:	0
Actual Total Depth:	115	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069233&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AP647
ESE
1/2 - 1 Mile
Lower

DE WELLS **DE3000000135411**

Permit #:	242062	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	24-JAN-13	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	4205684	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-MAY-15	Pump:	Not Reported
Application Received:	10-JAN-13	Construction Review Date:	22-JAN-13
Permit Approval Date:	23-JAN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	145
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	3	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	unknown	How Abandoned:	Not Reported
License #:	1042		
Well Contractor:	Hillis-Carnes Engineering Associates Inc		
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60668364&Panel=ViewAll		

AK648
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110032**

Permit #:	216972	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	6995688	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0

Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171639&Panel=ViewAll		

AK649
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110033**

Permit #:	216973	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	6995688	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No

Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171640&Panel=ViewAll		

AK650
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110031**

Permit #:	216971	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	6995688	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171638&Panel=ViewAll		

AK651
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110029**

Permit #:	216969	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	6995688	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported

Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171636&Panel=ViewAll		

AK652
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110030**

Permit #:	216970	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	6995688	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No

Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171637&Panel=ViewAll		

AK653
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110037**

Permit #:	216977	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	6995688	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171644&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AK654
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110038**

Permit #:	216978	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	6995688	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171645&Panel=ViewAll		

AK655
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110036**

Permit #:	216976	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	6995688	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171643&Panel=ViewAll		

AK656
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110034**

Permit #:	216974	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	6995688	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171641&Panel=ViewAll		

AK657
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000110035**

Permit #:	216975	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	6995688	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-OCT-06	Construction Review Date:	01-NOV-06
Permit Approval Date:	01-NOV-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	30
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60171642&Panel=ViewAll		

AP658
East
1/2 - 1 Mile
Lower

DE WELLS **DE3000000135410**

Permit #:	242061	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	17-JAN-13	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	4199456	Proposed Drill Method:	Mud Rotary
Completion Report Date:	01-MAY-15	Pump:	Not Reported
Application Received:	10-JAN-13	Construction Review Date:	10-JAN-13

Permit Approval Date:	23-JAN-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	192
Actual Total Depth:	0	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	181
Screen Base:	191	Screen Material:	PVC
Inner Casing Base:	181	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	179
Grout Top:	0	Grout Material:	Bentonite/Cement Mixture
Gravel Base:	191	Gravel Top:	179
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	1042		
Well Contractor:	Hillis-Carnes Engineering Associates Inc		
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60668363&Panel=ViewAll		

AQ659
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138601**

Permit #:	245220	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	4425899	Proposed Drill Method:	Geo-Probe
Completion Report Date:	10-DEC-13	Pump:	Not Reported
Application Received:	24-OCT-13	Construction Review Date:	30-OCT-13
Permit Approval Date:	30-OCT-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	8	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	2
Screen Base:	8	Screen Material:	PVC
Inner Casing Base:	2	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	8	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	12-DEC-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No

Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60679594&Panel=ViewAll		

AQ660
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138600**

Permit #:	245219	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	4425899	Proposed Drill Method:	Geo-Probe
Completion Report Date:	10-DEC-13	Pump:	Not Reported
Application Received:	24-OCT-13	Construction Review Date:	30-OCT-13
Permit Approval Date:	30-OCT-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	3
Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	12-DEC-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60679593&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AQ661
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138602**

Permit #:	245221	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	4425899	Proposed Drill Method:	Geo-Probe
Completion Report Date:	10-DEC-13	Pump:	Not Reported
Application Received:	24-OCT-13	Construction Review Date:	30-OCT-13
Permit Approval Date:	30-OCT-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	9
Screen Base:	19	Screen Material:	PVC
Inner Casing Base:	9	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	7
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	12-DEC-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60679595&Panel=ViewAll		

AQ662
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138604**

Permit #:	245223	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	4425899	Proposed Drill Method:	Geo-Probe
Completion Report Date:	10-DEC-13	Pump:	Not Reported
Application Received:	24-OCT-13	Construction Review Date:	30-OCT-13
Permit Approval Date:	30-OCT-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	2

Screen Base:	12	Screen Material:	PVC
Inner Casing Base:	2	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	12	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	12-DEC-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60679597&Panel=ViewAll		

AQ663
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138603**

Permit #:	245222	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	4425899	Proposed Drill Method:	Geo-Probe
Completion Report Date:	10-DEC-13	Pump:	Not Reported
Application Received:	24-OCT-13	Construction Review Date:	30-OCT-13
Permit Approval Date:	30-OCT-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	12-DEC-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60679596&Panel=ViewAll		

AN664
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021993**

Permit #:	110358	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Active
Est Construction Date:	03-JAN-97	Est Max Capacity:	0
Tax ID:	10-006.10-002	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	03-JAN-97	Pump:	Not Reported
Application Received:	03-DEC-96	Construction Review Date:	03-DEC-96
Permit Approval Date:	03-DEC-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082404&Panel=ViewAll		

AM665
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021883**

Permit #:	59074	Local Well ID:	0
Well Type:	Domestic - Standard	Well Status:	Active
Est Construction Date:	28-NOV-84	Est Max Capacity:	10
Tax ID:	26-067.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	28-NOV-84	Pump:	Not Reported
Application Received:	30-OCT-84	Construction Review Date:	30-OCT-84

Permit Approval Date:	30-OCT-84	Est Daily Use:	600
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	60	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	50
Screen Base:	60	Screen Material:	PVC
Inner Casing Base:	50	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	20
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	60	Gravel Top:	50
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	51	Well Contractor:	R J Seward & Son
Watershed:	Christina River	Basin:	Piedmont
Potable:	Yes	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082294&Panel=ViewAll		

AM666
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000072004**

Permit #:	59075	Local Well ID:	0
Well Type:	Domestic - Standard	Well Status:	Active
Est Construction Date:	03-NOV-84	Est Max Capacity:	5
Tax ID:	26-067.00-003	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	03-NOV-84	Pump:	Not Reported
Application Received:	31-OCT-84	Construction Review Date:	31-OCT-84
Permit Approval Date:	31-OCT-84	Est Daily Use:	300
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	30	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	25
Screen Base:	30	Screen Material:	PVC
Inner Casing Base:	25	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	136	Well Contractor:	B U D Pump & Well
Watershed:	Christina River	Basin:	Piedmont
Potable:	Yes	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60132423&Panel=ViewAll		

667
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231754**

Organization ID:	USGS-MD	Organization Name:	USGS Maryland Water Science Center
Monitor Location:	Cd33-02	Type:	Well
Description:	Not Reported	HUC:	02040205
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Northern Atlantic Coastal Plain aquifer system		
Formation Type:	Nonmarine Cretaceous Aquifer		
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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AL668
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000151231**

Permit #:	257791	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Completed
Est Construction Date:	29-MAR-17	Est Max Capacity:	0
Tax ID:	26-045.00-009	Septic Permit #:	Not Reported
Well Authorization Code:	4094052	Proposed Drill Method:	Augered
Completion Report Date:	05-APR-17	Pump:	Not Reported
Application Received:	28-MAR-17	Construction Review Date:	28-MAR-17
Permit Approval Date:	29-MAR-17	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	70
Actual Total Depth:	71	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	None
Inner Casing Base:	71	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	71
Grout Top:	0	Grout Material:	Bentonite/Cement Mixture
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5522	Well Contractor:	CGC Geoservices
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No

Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60724661&Panel=ViewAll		

AJ669
WSW **DE WELLS** **DE3000000023317**
1/2 - 1 Mile
Lower

Permit #:	177222	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	10-006.00-005	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	06-JAN-10	Pump:	Not Reported
Application Received:	02-MAR-01	Construction Review Date:	02-MAR-01
Permit Approval Date:	02-MAR-01	Est Daily Use:	0
Abandon Report Date:	10/12/2009	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083728&Panel=ViewAll		

AN670
WSW **DE WELLS** **DE3000000119546**
1/2 - 1 Mile
Lower

Permit #:	226343	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0

Tax ID:	10-002.30-078	Septic Permit #:	n/a
Well Authorization Code:	3232389	Proposed Drill Method:	Hydropunch
Completion Report Date:	23-JAN-09	Pump:	Not Reported
Application Received:	30-OCT-08	Construction Review Date:	14-NOV-08
Permit Approval Date:	14-NOV-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	25
Actual Total Depth:	15	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	3
Well Terminus Type:	Other	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	06-JAN-09
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60412665&Panel=ViewAll		

AN671
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000119547**

Permit #:	226344	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	10-002.30-078	Septic Permit #:	n/a
Well Authorization Code:	3232389	Proposed Drill Method:	Hydropunch
Completion Report Date:	23-JAN-09	Pump:	Not Reported
Application Received:	30-OCT-08	Construction Review Date:	14-NOV-08
Permit Approval Date:	14-NOV-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	25
Actual Total Depth:	15	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	3
Well Terminus Type:	Other	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	6	Water Level Date:	06-JAN-09
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported

License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60412666&Panel=ViewAll		

AN672
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000119548**

Permit #:	226345	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	10-002.30-078	Septic Permit #:	n/a
Well Authorization Code:	3232389	Proposed Drill Method:	Other
Completion Report Date:	23-JAN-09	Pump:	Not Reported
Application Received:	30-OCT-08	Construction Review Date:	14-NOV-08
Permit Approval Date:	14-NOV-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	25
Actual Total Depth:	14	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	3
Well Terminus Type:	Other	Screen Top:	4
Screen Base:	14	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	14	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	6	Water Level Date:	06-JAN-09
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4286	Well Contractor:	GSI Mid-Atlantic, Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60412667&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AO673
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027487**

Permit #:	194753	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-052.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	07-JUL-03	Construction Review Date:	07-JUL-03
Permit Approval Date:	07-JUL-03	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087898&Panel=ViewAll		

AR674
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138348**

Permit #:	244969	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	02-OCT-13	Est Max Capacity:	0
Tax ID:	26-058.00-014	Septic Permit #:	n/a
Well Authorization Code:	4042423	Proposed Drill Method:	Geo-Probe
Completion Report Date:	26-NOV-13	Pump:	Not Reported
Application Received:	02-OCT-13	Construction Review Date:	09-OCT-13
Permit Approval Date:	09-OCT-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	20
Actual Total Depth:	17	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	7

Screen Base:	17	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	1
Grout Top:	0	Grout Material:	Grouted
Gravel Base:	17	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60678803&Panel=ViewAll		

AR675
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138349**

Permit #:	244970	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	02-OCT-13	Est Max Capacity:	0
Tax ID:	26-058.00-014	Septic Permit #:	n/a
Well Authorization Code:	4042423	Proposed Drill Method:	Geo-Probe
Completion Report Date:	26-NOV-13	Pump:	Not Reported
Application Received:	02-OCT-13	Construction Review Date:	09-OCT-13
Permit Approval Date:	09-OCT-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	20
Actual Total Depth:	17	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	7
Screen Base:	17	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	1
Grout Top:	0	Grout Material:	Grouted
Gravel Base:	17	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60678804&Panel=ViewAll		

AL676
NNW **DE WELLS** **DE3000000026864**
1/2 - 1 Mile
Lower

Permit #:	194752	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-009	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	07-JUL-03	Construction Review Date:	07-JUL-03
Permit Approval Date:	07-JUL-03	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087275&Panel=ViewAll		

AL677
NNW **DE WELLS** **DE3000000026863**
1/2 - 1 Mile
Lower

Permit #:	194824	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-009	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	07-JUL-03	Construction Review Date:	07-JUL-03

Permit Approval Date:	07-JUL-03	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087274&Panel=ViewAll		

AL678
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000026866**

Permit #:	194823	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-009	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	07-JUL-03	Construction Review Date:	07-JUL-03
Permit Approval Date:	07-JUL-03	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087277&Panel=ViewAll		

AL679
NNW **DE WELLS** **DE3000000026865**
1/2 - 1 Mile
Lower

Permit #:	194822	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-009	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	07-JUL-03	Construction Review Date:	07-JUL-03
Permit Approval Date:	07-JUL-03	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087276&Panel=ViewAll		

680
SW **DE WELLS** **DE3000000023316**
1/2 - 1 Mile
Lower

Permit #:	178311	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned

Est Construction Date:	07-MAY-01	Est Max Capacity:	0
Tax ID:	10-006.00-005	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	07-MAY-01	Pump:	Not Reported
Application Received:	27-APR-01	Construction Review Date:	27-APR-01
Permit Approval Date:	27-APR-01	Est Daily Use:	0
Abandon Report Date:	10/12/2009	Total Proposed Depth:	0
Actual Total Depth:	34	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	34
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	-8	Water Level Date:	07-MAY-01
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083727&Panel=ViewAll		

AR681
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138347**

Permit #:	244968	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	02-OCT-13	Est Max Capacity:	0
Tax ID:	26-058.00-014	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	02-DEC-13	Pump:	Not Reported
Application Received:	02-OCT-13	Construction Review Date:	09-OCT-13
Permit Approval Date:	09-OCT-13	Est Daily Use:	0
Abandon Report Date:	10/29/2013	Total Proposed Depth:	10
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60678802&Panel=ViewAll		

AO682
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000155372**

Permit #:	261913	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	17-MAY-18	Est Max Capacity:	0
Tax ID:	26-052.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	6718277	Proposed Drill Method:	Geo-Probe
Completion Report Date:	20-JUN-18	Pump:	Not Reported
Application Received:	04-MAY-18	Construction Review Date:	04-MAY-18
Permit Approval Date:	09-MAY-18	Est Daily Use:	0
Abandon Report Date:	05/17/2018	Total Proposed Depth:	15
Actual Total Depth:	8	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	Wells will be sampled and abandoned same day. No tags.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60740472&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AO683
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000155373**

Permit #:	261914	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	17-MAY-18	Est Max Capacity:	0
Tax ID:	26-052.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	6718277	Proposed Drill Method:	Geo-Probe
Completion Report Date:	20-JUN-18	Pump:	Not Reported
Application Received:	04-MAY-18	Construction Review Date:	04-MAY-18
Permit Approval Date:	09-MAY-18	Est Daily Use:	0
Abandon Report Date:	05/17/2018	Total Proposed Depth:	15
Actual Total Depth:	8	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	Wells will be sampled and abandoned same day. No tags.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60740473&Panel=ViewAll		

AO684
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000155374**

Permit #:	261915	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	17-MAY-18	Est Max Capacity:	0
Tax ID:	26-052.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	6718277	Proposed Drill Method:	Geo-Probe
Completion Report Date:	20-JUN-18	Pump:	Not Reported
Application Received:	04-MAY-18	Construction Review Date:	04-MAY-18
Permit Approval Date:	09-MAY-18	Est Daily Use:	0
Abandon Report Date:	05/17/2018	Total Proposed Depth:	15
Actual Total Depth:	8	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0

Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	Wells will be sampled and abandoned same day. No tags.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60740474&Panel=ViewAll		

AS685
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000152794**

Permit #:	259353	Local Well ID:	0
Well Type:	Anode Cathodic Protection - Deep		
Well Status:	Completed	Est Construction Date:	14-AUG-17
Est Max Capacity:	0	Tax ID:	26-070.00-001
Septic Permit #:	central sewer	Well Authorization Code:	4453226
Proposed Drill Method:	Mud Rotary	Completion Report Date:	19-SEP-17
Pump:	Not Reported	Application Received:	04-AUG-17
Construction Review Date:	04-AUG-17	Permit Approval Date:	09-AUG-17
Est Daily Use:	0	Abandon Report Date:	Not Reported
Total Proposed Depth:	100	Actual Total Depth:	100
Min Well Diameter:	1	Max Well Diameter:	1
Well Terminus Inches:	12	Well Terminus Type:	Other
Screen Top:	40	Screen Base:	100
Screen Material:	Other	Inner Casing Base:	40
Inner Casing Top:	2	Inner Casing Material:	PVC
Grout Base:	35	Grout Top:	0
Grout Material:	Bentonite	Gravel Base:	100
Gravel Top:	35	Gravel Material:	Gravel
Intake Settings:	0	Test Rate:	0
Rated Capacity:	0	Test Time:	0
Water Level:	0	Static Water Level:	20
Water Level Date:	19-SEP-17	Replaced Well Permit #:	Not Reported
How Abandoned:	Not Reported	License #:	951
Well Contractor:	Talon Drilling Company	Watershed:	Christina River
Basin:	Piedmont	Potable:	No
Test Temp:	No	Groundwater Mgmt Zone:	Yes
Well Pit:	No	Replacement Well:	No
Alloc Review:	No	Require Alloc Permit:	NO
Sampled:	No	CPCN:	Yes

AG Preservation District:	No	Floodplain:	No
Small Lot:	No	Injection:	No
Potential Contam in Vicinity:	Yes	Emergency:	No
Confined:	No	Reviewable:	Yes
Existing:	No	Retain Well:	0
Comments:	The backfill is coke breeze from 20 to 100 feetWell #1		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60730235&Panel=ViewAll		

AT686
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000128656**

Permit #:	235363	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-058.00-012	Septic Permit #:	n/a
Well Authorization Code:	6259061	Proposed Drill Method:	Geo-Probe
Completion Report Date:	22-JUN-11	Pump:	Not Reported
Application Received:	05-MAY-11	Construction Review Date:	10-MAY-11
Permit Approval Date:	10-MAY-11	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	16
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60594614&Panel=ViewAll		

687
East
1/2 - 1 Mile
Higher

DE WELLS **DE3000000035755**

Permit #:	178585	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	Not Reported

Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	10-MAY-01	Construction Review Date:	10-MAY-01
Permit Approval Date:	10-MAY-01	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	94	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60096169&Panel=ViewAll		

AU688
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124790**

Permit #:	231462	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-022	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-MAY-10	Construction Review Date:	26-MAY-10
Permit Approval Date:	26-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	20
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	624	Well Contractor:	Summit Drilling Co Inc

Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576821&Panel=ViewAll		

AU689
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124789**

Permit #:	231461	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-022	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-MAY-10	Construction Review Date:	26-MAY-10
Permit Approval Date:	26-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	20
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	624	Well Contractor:	Summit Drilling Co Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576820&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AU690
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124788**

Permit #:	231460	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-022	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-MAY-10	Construction Review Date:	26-MAY-10
Permit Approval Date:	26-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	20
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	624	Well Contractor:	Summit Drilling Co Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576819&Panel=ViewAll		

AU691
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124793**

Permit #:	231465	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-022	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-MAY-10	Construction Review Date:	26-MAY-10
Permit Approval Date:	26-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	20
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	624	Well Contractor:	Summit Drilling Co Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576824&Panel=ViewAll		

AU692
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124792**

Permit #:	231464	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-022	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-MAY-10	Construction Review Date:	26-MAY-10
Permit Approval Date:	26-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	20
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	624	Well Contractor:	Summit Drilling Co Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576823&Panel=ViewAll		

AU693
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124791**

Permit #:	231463	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-022	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	12-MAY-10	Construction Review Date:	26-MAY-10
Permit Approval Date:	26-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	20
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	624	Well Contractor:	Summit Drilling Co Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576822&Panel=ViewAll		

AT694
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000029921**

Permit #:	78839	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	26-MAY-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	26-MAY-89	Pump:	Not Reported
Application Received:	15-MAY-89	Construction Review Date:	15-MAY-89

Permit Approval Date:	15-MAY-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3
Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	13	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	13	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	51	Well Contractor:	R J Seward & Son
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60090333&Panel=ViewAll		

AT695
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000030652**

Permit #:	63870	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	14-FEB-86	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-FEB-86	Pump:	Not Reported
Application Received:	22-JAN-86	Construction Review Date:	22-JAN-86
Permit Approval Date:	22-JAN-86	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	75	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	57
Screen Base:	72	Screen Material:	PVC
Inner Casing Base:	57	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	53
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	75	Gravel Top:	53
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091065&Panel=ViewAll		

AT696
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021963**

Permit #:	95631	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	18-JUN-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	18-JUN-93	Pump:	Not Reported
Application Received:	02-JUN-93	Construction Review Date:	02-JUN-93
Permit Approval Date:	02-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	72	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	62
Screen Base:	72	Screen Material:	PVC
Inner Casing Base:	20	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	55
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	72	Gravel Top:	55
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082374&Panel=ViewAll		

AT697
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021964**

Permit #:	95630	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	15-JUN-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	15-JUN-93	Pump:	Not Reported
Application Received:	02-JUN-93	Construction Review Date:	02-JUN-93
Permit Approval Date:	02-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	9
Screen Base:	19	Screen Material:	PVC
Inner Casing Base:	9	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	8
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	19	Gravel Top:	8
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082375&Panel=ViewAll		

AT698
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033307**

Permit #:	106021	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	16-OCT-95	Construction Review Date:	16-OCT-95
Permit Approval Date:	16-OCT-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093721&Panel=ViewAll		

AT699
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033309**

Permit #:	106023	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	16-OCT-95	Construction Review Date:	16-OCT-95
Permit Approval Date:	16-OCT-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093723&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AT700
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000030657**

Permit #:	63869	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	10-FEB-86	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	10-FEB-86	Pump:	Not Reported
Application Received:	22-JAN-86	Construction Review Date:	22-JAN-86
Permit Approval Date:	22-JAN-86	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	120	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	100
Screen Base:	120	Screen Material:	PVC
Inner Casing Base:	100	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	95
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	120	Gravel Top:	95
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091070&Panel=ViewAll		

AT701
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000030675**

Permit #:	63871	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	14-FEB-86	Est Max Capacity:	1
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-FEB-86	Pump:	Not Reported
Application Received:	22-JAN-86	Construction Review Date:	22-JAN-86
Permit Approval Date:	22-JAN-86	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	15

Screen Base:	25	Screen Material:	PVC
Inner Casing Base:	15	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	12
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	25	Gravel Top:	12
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60091089&Panel=ViewAll		

AT702
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021934**

Permit #:	96165	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	10-JUL-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Other
Completion Report Date:	10-JUL-93	Pump:	Not Reported
Application Received:	01-JUL-93	Construction Review Date:	01-JUL-93
Permit Approval Date:	01-JUL-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	57	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	30
Screen Base:	40	Screen Material:	PVC
Inner Casing Base:	26	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	27
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	57	Gravel Top:	27
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082345&Panel=ViewAll		

AT703
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000008869**

Permit #:	77837	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-MAR-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	28-MAR-88	Pump:	Not Reported
Application Received:	15-FEB-89	Construction Review Date:	15-FEB-89
Permit Approval Date:	15-FEB-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	61	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	41
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	61	Gravel Top:	45
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069268&Panel=ViewAll		

AT704
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000008871**

Permit #:	77833	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	15-FEB-89	Construction Review Date:	15-FEB-89

Permit Approval Date:	15-FEB-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	120	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069270&Panel=ViewAll		

AT705
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000008865**

Permit #:	77839	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-MAR-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	28-MAR-89	Pump:	Not Reported
Application Received:	15-FEB-89	Construction Review Date:	15-FEB-89
Permit Approval Date:	15-FEB-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	90	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	40	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	75
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	90	Gravel Top:	77
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069264&Panel=ViewAll		

AT706
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000008867**

Permit #:	77842	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-MAR-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	28-MAR-89	Pump:	Not Reported
Application Received:	15-FEB-89	Construction Review Date:	15-FEB-89
Permit Approval Date:	15-FEB-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	64	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	44
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	37
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	64	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069266&Panel=ViewAll		

AT707
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021932**

Permit #:	96167	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	10-JUL-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	10-JUL-93	Pump:	Not Reported
Application Received:	01-JUL-93	Construction Review Date:	01-JUL-93
Permit Approval Date:	01-JUL-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	27	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	17
Screen Base:	27	Screen Material:	PVC
Inner Casing Base:	9	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	14
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	27	Gravel Top:	14
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082343&Panel=ViewAll		

AT708
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021933**

Permit #:	96166	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	08-JUL-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	08-JUL-93	Pump:	Not Reported
Application Received:	01-JUL-93	Construction Review Date:	01-JUL-93
Permit Approval Date:	01-JUL-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	15	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082344&Panel=ViewAll		

AT709
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000008875**

Permit #:	77840	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-MAR-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	28-MAR-89	Pump:	Not Reported
Application Received:	15-FEB-89	Construction Review Date:	15-FEB-89
Permit Approval Date:	15-FEB-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	64	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	64	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069274&Panel=ViewAll		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AT710
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000008876**

Permit #:	77832	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-MAR-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	28-MAR-88	Pump:	Not Reported
Application Received:	15-FEB-89	Construction Review Date:	15-FEB-89
Permit Approval Date:	15-FEB-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	100	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	85
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	100	Gravel Top:	88
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069275&Panel=ViewAll		

AT711
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033310**

Permit #:	106028	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	16-OCT-95	Construction Review Date:	16-OCT-95
Permit Approval Date:	16-OCT-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093724&Panel=ViewAll		

AT712
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000045045**

Permit #:	59429	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	11-DEC-84	Est Max Capacity:	3
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	11-DEC-84	Pump:	Not Reported
Application Received:	12-DEC-84	Construction Review Date:	12-DEC-84
Permit Approval Date:	12-DEC-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	65	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	47
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	65	Gravel Top:	47
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60105461&Panel=ViewAll		

AT713
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000045046**

Permit #:	59430	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	13-DEC-84	Est Max Capacity:	3
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	13-DEC-84	Pump:	Not Reported
Application Received:	12-DEC-84	Construction Review Date:	12-DEC-84
Permit Approval Date:	12-DEC-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	27	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	17
Screen Base:	27	Screen Material:	PVC
Inner Casing Base:	17	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	15
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	27	Gravel Top:	15
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60105462&Panel=ViewAll		

AT714
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033332**

Permit #:	96318	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	14-JUL-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	14-JUL-93	Pump:	Not Reported
Application Received:	07-JUL-93	Construction Review Date:	07-JUL-93

Permit Approval Date:	07-JUL-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	130	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	118
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	130	Gravel Top:	118
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093746&Panel=ViewAll		

AT715
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033333**

Permit #:	95623	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	29-JUN-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	29-JUN-93	Pump:	Not Reported
Application Received:	02-JUN-93	Construction Review Date:	02-JUN-93
Permit Approval Date:	02-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	72	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	62
Screen Base:	72	Screen Material:	PVC
Inner Casing Base:	62	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	60
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	72	Gravel Top:	60
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093747&Panel=ViewAll		

AT716
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000045050**

Permit #:	59428	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	14-DEC-84	Est Max Capacity:	3
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-DEC-84	Pump:	Not Reported
Application Received:	12-DEC-84	Construction Review Date:	12-DEC-84
Permit Approval Date:	12-DEC-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	41
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	41
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60105466&Panel=ViewAll		

AT717
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000045118**

Permit #:	59432	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	18-DEC-84	Est Max Capacity:	3
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	18-DEC-84	Pump:	Not Reported
Application Received:	12-DEC-84	Construction Review Date:	12-DEC-84
Permit Approval Date:	12-DEC-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	29	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	19
Screen Base:	29	Screen Material:	PVC
Inner Casing Base:	19	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	17
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	29	Gravel Top:	17
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60105534&Panel=ViewAll		

AT718
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000045047**

Permit #:	59431	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	17-DEC-84	Est Max Capacity:	3
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	17-DEC-84	Pump:	Not Reported
Application Received:	12-DEC-84	Construction Review Date:	12-DEC-84
Permit Approval Date:	12-DEC-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	52
Screen Base:	62	Screen Material:	PVC
Inner Casing Base:	52	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	50
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	50
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60105463&Panel=ViewAll		

AT719
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000045049**

Permit #:	59427	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	17-DEC-84	Est Max Capacity:	3
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	17-DEC-84	Pump:	Not Reported
Application Received:	12-DEC-84	Construction Review Date:	12-DEC-84
Permit Approval Date:	12-DEC-84	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	6
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	6
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60105465&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AT720
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033331**

Permit #:	95627	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	01-JUL-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	01-JUL-93	Pump:	Not Reported
Application Received:	02-JUN-93	Construction Review Date:	02-JUN-93
Permit Approval Date:	02-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	17	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	7
Screen Base:	17	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	17	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093745&Panel=ViewAll		

AT721
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033314**

Permit #:	106027	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	16-OCT-95	Construction Review Date:	16-OCT-95
Permit Approval Date:	16-OCT-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093728&Panel=ViewAll		

AT722
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033326**

Permit #:	95628	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	23-JUN-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	23-JUN-93	Pump:	Not Reported
Application Received:	02-JUN-93	Construction Review Date:	02-JUN-93
Permit Approval Date:	02-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	27	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	17
Screen Base:	27	Screen Material:	PVC
Inner Casing Base:	17	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	16
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	27	Gravel Top:	16
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093740&Panel=ViewAll		

AT723
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033311**

Permit #:	106029	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	16-OCT-95	Construction Review Date:	16-OCT-95
Permit Approval Date:	16-OCT-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093725&Panel=ViewAll		

AT724
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033312**

Permit #:	106030	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	16-OCT-95	Construction Review Date:	16-OCT-95

Permit Approval Date:	16-OCT-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093726&Panel=ViewAll		

AT725
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033329**

Permit #:	95625	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	28-JUN-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Reverse Rotary
Completion Report Date:	28-JUN-93	Pump:	Not Reported
Application Received:	02-JUN-93	Construction Review Date:	02-JUN-93
Permit Approval Date:	02-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	57	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	40
Screen Base:	50	Screen Material:	PVC
Inner Casing Base:	32	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	37
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	57	Gravel Top:	37
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093743&Panel=ViewAll		

AT726
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033330**

Permit #:	95626	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	01-JUL-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	01-JUL-93	Pump:	Not Reported
Application Received:	02-JUN-93	Construction Review Date:	02-JUN-93
Permit Approval Date:	02-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	63	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	53
Screen Base:	63	Screen Material:	PVC
Inner Casing Base:	15	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	49
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	63	Gravel Top:	49
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093744&Panel=ViewAll		

AT727
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033327**

Permit #:	95629	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active

Est Construction Date:	01-JUL-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	01-JUL-93	Pump:	Not Reported
Application Received:	02-JUN-93	Construction Review Date:	02-JUN-93
Permit Approval Date:	02-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	30	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	20
Screen Base:	30	Screen Material:	PVC
Inner Casing Base:	20	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	17
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	30	Gravel Top:	17
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093741&Panel=ViewAll		

AT728
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033328**

Permit #:	95624	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	02-JUL-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	02-JUL-93	Pump:	Not Reported
Application Received:	02-JUN-93	Construction Review Date:	02-JUN-93
Permit Approval Date:	02-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	65	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	55
Screen Base:	65	Screen Material:	PVC
Inner Casing Base:	22	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	51
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	65	Gravel Top:	51
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093742&Panel=ViewAll		

AV729
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000022973**

Permit #:	110158	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-NOV-96	Construction Review Date:	14-NOV-96
Permit Approval Date:	14-NOV-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083384&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AV730
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000022972**

Permit #:	110157	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-NOV-96	Construction Review Date:	14-NOV-96
Permit Approval Date:	14-NOV-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083383&Panel=ViewAll		

AV731
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000022994**

Permit #:	110161	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-NOV-96	Construction Review Date:	14-NOV-96
Permit Approval Date:	14-NOV-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083405&Panel=ViewAll		

AV732
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000022974**

Permit #:	110159	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-NOV-96	Construction Review Date:	14-NOV-96
Permit Approval Date:	14-NOV-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083385&Panel=ViewAll		

AV733
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000022971**

Permit #:	110163	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-NOV-96	Construction Review Date:	14-NOV-96
Permit Approval Date:	14-NOV-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083382&Panel=ViewAll		

AV734
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000008873**

Permit #:	77835	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-MAR-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	28-MAR-89	Pump:	Not Reported
Application Received:	15-FEB-89	Construction Review Date:	15-FEB-89

Permit Approval Date:	15-FEB-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	94	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	74
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	94	Gravel Top:	76
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069272&Panel=ViewAll		

AV735
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000008868**

Permit #:	77836	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	28-MAR-89	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Mud Rotary
Completion Report Date:	28-MAR-89	Pump:	Not Reported
Application Received:	15-FEB-89	Construction Review Date:	15-FEB-89
Permit Approval Date:	15-FEB-89	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	95	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	2	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	75
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	95	Gravel Top:	78
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60069267&Panel=ViewAll		

AV736
WNW **DE WELLS** **DE3000000022970**
1/2 - 1 Mile
Lower

Permit #:	110162	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-NOV-96	Construction Review Date:	14-NOV-96
Permit Approval Date:	14-NOV-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083381&Panel=ViewAll		

AV737
WNW **DE WELLS** **DE3000000022969**
1/2 - 1 Mile
Lower

Permit #:	110160	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-NOV-96	Construction Review Date:	14-NOV-96
Permit Approval Date:	14-NOV-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083380&Panel=ViewAll		

AV738
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027420**

Permit #:	99750	Local Well ID:	0
Well Type:	Dewater - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Jetted
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	19-APR-94	Construction Review Date:	19-APR-94
Permit Approval Date:	19-APR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	839		
Well Contractor:	Eastern States Construction Service Inc		
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087831&Panel=ViewAll		

AV739
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033085**

Permit #:	75835	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	21-SEP-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-SEP-88	Pump:	Not Reported
Application Received:	06-SEP-88	Construction Review Date:	06-SEP-88
Permit Approval Date:	06-SEP-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	2	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	988	Well Contractor:	Total Quality Drilling LLC
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093499&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AV740
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033084**

Permit #:	75834	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	06-SEP-88	Construction Review Date:	06-SEP-88
Permit Approval Date:	06-SEP-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093498&Panel=ViewAll		

AV741
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033088**

Permit #:	75842	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	21-SEP-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-SEP-88	Pump:	Not Reported
Application Received:	06-SEP-88	Construction Review Date:	06-SEP-88
Permit Approval Date:	06-SEP-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	13	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093502&Panel=ViewAll		

AV742
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033087**

Permit #:	75841	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	21-SEP-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-SEP-88	Pump:	Not Reported
Application Received:	06-SEP-88	Construction Review Date:	06-SEP-88
Permit Approval Date:	06-SEP-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	13	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093501&Panel=ViewAll		

AV743
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033083**

Permit #:	75843	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	21-SEP-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-SEP-88	Pump:	Not Reported
Application Received:	06-SEP-88	Construction Review Date:	06-SEP-88
Permit Approval Date:	06-SEP-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	13	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093497&Panel=ViewAll		

AV744
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033080**

Permit #:	75836	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	21-SEP-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-SEP-88	Pump:	Not Reported
Application Received:	06-SEP-88	Construction Review Date:	06-SEP-88

Permit Approval Date:	06-SEP-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	4
Grout Top:	2	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093494&Panel=ViewAll		

AV745
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033079**

Permit #:	75840	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	21-SEP-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-SEP-88	Pump:	Not Reported
Application Received:	06-SEP-88	Construction Review Date:	06-SEP-88
Permit Approval Date:	06-SEP-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	13	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	513	Well Contractor:	Chesapeake Geosystem
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093493&Panel=ViewAll		

AV746
WNW **DE WELLS** **DE3000000033082**
1/2 - 1 Mile
Lower

Permit #:	75838	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	21-SEP-88	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	21-SEP-88	Pump:	Not Reported
Application Received:	06-SEP-88	Construction Review Date:	06-SEP-88
Permit Approval Date:	06-SEP-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	13	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3
Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	13	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	988	Well Contractor:	Total Quality Drilling LLC
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093496&Panel=ViewAll		

AV747
WNW **DE WELLS** **DE3000000033081**
1/2 - 1 Mile
Lower

Permit #:	75837	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	06-SEP-88	Construction Review Date:	06-SEP-88
Permit Approval Date:	06-SEP-88	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	988	Well Contractor:	Total Quality Drilling LLC
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093495&Panel=ViewAll		

AS748
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000012444**

Permit #:	180326	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	31-JUL-01	Construction Review Date:	31-JUL-01
Permit Approval Date:	31-JUL-01	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60072844&Panel=ViewAll		

749
WSW **DE WELLS** **DE3000000154353**
1/2 - 1 Mile
Lower

Permit #:	260901	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Permit Expired
Est Construction Date:	05-FEB-18	Est Max Capacity:	0
Tax ID:	10-002.30-075	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-JAN-18	Construction Review Date:	30-JAN-18
Permit Approval Date:	05-FEB-18	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	50
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	please do no send owners copy to owner. this is a state project and we used this project just to obtain permit.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60736547&Panel=ViewAll		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AQ750
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138599**

Permit #:	245218	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-019	Septic Permit #:	Not Reported
Well Authorization Code:	4432098	Proposed Drill Method:	Geo-Probe
Completion Report Date:	10-DEC-13	Pump:	Not Reported
Application Received:	24-OCT-13	Construction Review Date:	28-OCT-13
Permit Approval Date:	29-OCT-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	4
Screen Base:	14	Screen Material:	PVC
Inner Casing Base:	4	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	14	Gravel Top:	3
Gravel Material:	Bentonite	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	12-DEC-13
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60679589&Panel=ViewAll		

AW751
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027476**

Permit #:	194749	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-044.00-044	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	07-JUL-03	Construction Review Date:	07-JUL-03
Permit Approval Date:	07-JUL-03	Est Daily Use:	0
Abandon Report Date:	08/07/2019	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087887&Panel=ViewAll		

752
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000142953**

Permit #:	249548	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-014	Septic Permit #:	n/a
Well Authorization Code:	3481332	Proposed Drill Method:	Geo-Probe
Completion Report Date:	19-FEB-15	Pump:	Not Reported
Application Received:	16-JAN-15	Construction Review Date:	20-JAN-15
Permit Approval Date:	20-JAN-15	Est Daily Use:	0
Abandon Report Date:	01/30/2015	Total Proposed Depth:	20
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60695517&Panel=ViewAll		

AX753
NNW **DE WELLS** **DE3000000027331**
1/2 - 1 Mile
Lower

Permit #:	194750	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-015	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	07-JUL-03	Construction Review Date:	07-JUL-03
Permit Approval Date:	07-JUL-03	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087742&Panel=ViewAll		

AR754
WNW **DE WELLS** **DE3000000138344**
1/2 - 1 Mile
Lower

Permit #:	244965	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	02-OCT-13	Est Max Capacity:	0
Tax ID:	26-058.00-015	Septic Permit #:	n/a
Well Authorization Code:	4035750	Proposed Drill Method:	Geo-Probe
Completion Report Date:	02-DEC-13	Pump:	Not Reported
Application Received:	02-OCT-13	Construction Review Date:	08-OCT-13

Permit Approval Date:	08-OCT-13	Est Daily Use:	0
Abandon Report Date:	10/29/2013	Total Proposed Depth:	10
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60678799&Panel=ViewAll		

755
South
1/2 - 1 Mile
Lower

DE WELLS **DE3000000117933**

Permit #:	224765	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-070.00-003	Septic Permit #:	n/a
Well Authorization Code:	4750501	Proposed Drill Method:	Hydropunch
Completion Report Date:	29-JUL-08	Pump:	Not Reported
Application Received:	07-JUL-08	Construction Review Date:	09-JUL-08
Permit Approval Date:	09-JUL-08	Est Daily Use:	0
Abandon Report Date:	07/17/2008	Total Proposed Depth:	12
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60335607&Panel=ViewAll		

AY756
NNW **DE WELLS** **DE3000000023131**
1/2 - 1 Mile
Lower

Permit #:	160439	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-013	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-SEP-98	Construction Review Date:	08-SEP-98
Permit Approval Date:	08-SEP-98	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083542&Panel=ViewAll		

757
NNE **DE WELLS** **DE3000000153136**
1/2 - 1 Mile
Lower

Permit #:	259693	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed

Est Construction Date:	12-SEP-17	Est Max Capacity:	0
Tax ID:	26-046.00-005	Septic Permit #:	n/a
Well Authorization Code:	6334801	Proposed Drill Method:	Augered
Completion Report Date:	06-OCT-17	Pump:	Not Reported
Application Received:	07-SEP-17	Construction Review Date:	11-SEP-17
Permit Approval Date:	11-SEP-17	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	25
Actual Total Depth:	33	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	23
Screen Base:	33	Screen Material:	PVC
Inner Casing Base:	23	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	21
Grout Top:	0	Grout Material:	Bentonite/Cement Mixture
Gravel Base:	33	Gravel Top:	21
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60731624&Panel=ViewAll		

AS758
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000152795**

Permit #:	259354	Local Well ID:	0
Well Type:	Anode Cathodic Protection - Deep		
Well Status:	Completed	Est Construction Date:	14-AUG-17
Est Max Capacity:	0	Tax ID:	26-070.00-001
Septic Permit #:	central sewer	Well Authorization Code:	4456350
Proposed Drill Method:	Not Reported	Completion Report Date:	19-SEP-17
Pump:	Not Reported	Application Received:	04-AUG-17
Construction Review Date:	04-AUG-17	Permit Approval Date:	09-AUG-17
Est Daily Use:	0	Abandon Report Date:	Not Reported
Total Proposed Depth:	100	Actual Total Depth:	100
Min Well Diameter:	1	Max Well Diameter:	1
Well Terminus Inches:	0	Well Terminus Type:	Not Reported
Screen Top:	40	Screen Base:	100
Screen Material:	PVC	Inner Casing Base:	40
Inner Casing Top:	2	Inner Casing Material:	PVC
Grout Base:	35	Grout Top:	0
Grout Material:	Bentonite	Gravel Base:	100
Gravel Top:	35	Gravel Material:	Gravel
Intake Settings:	0	Test Rate:	0
Rated Capacity:	0	Test Time:	0
Water Level:	0	Static Water Level:	0

Water Level Date:	Not Reported	Replaced Well Permit #:	Not Reported
How Abandoned:	Not Reported	License #:	951
Well Contractor:	Talon Drilling Company	Watershed:	Christina River
Basin:	Piedmont	Potable:	No
Test Temp:	No	Groundwater Mgmt Zone:	Yes
Well Pit:	No	Replacement Well:	No
Alloc Review:	No	Require Alloc Permit:	NO
Sampled:	No	CPCN:	Yes
AG Preservation District:	No	Floodplain:	No
Small Lot:	No	Injection:	No
Potential Contam in Vicinity:	Yes	Emergency:	No
Confined:	No	Reviewable:	Yes
Existing:	No	Retain Well:	0
Comments:	Coke breezeWell #2		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60730237&Panel=ViewAll		

AZ759
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000001790**

Permit #:	209829	Local Well ID:	0
Well Type:	Not Reported	Well Status:	Permit Expired
Est Construction Date:	04-MAY-05	Est Max Capacity:	0
Tax ID:	26-051.00-023	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	03-MAY-05	Construction Review Date:	05-MAY-05
Permit Approval Date:	05-MAY-05	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Standard T	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	04-MAY-05
Replaced Well Permit #:	Not Reported	How Abandoned:	Bad Water
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60061084&Panel=ViewAll		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AZ760
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000001791**

Permit #:	209830	Local Well ID:	0
Well Type:	Not Reported	Well Status:	Permit Expired
Est Construction Date:	04-MAY-05	Est Max Capacity:	0
Tax ID:	26-051.00-023	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	03-MAY-05	Construction Review Date:	05-MAY-05
Permit Approval Date:	05-MAY-05	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Standard T	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	04-MAY-05
Replaced Well Permit #:	Not Reported	How Abandoned:	Bad Water
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60061085&Panel=ViewAll		

BA761
NNE
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124549**

Permit #:	231223	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-046.00-001	Septic Permit #:	n/a
Well Authorization Code:	5049906	Proposed Drill Method:	Augered
Completion Report Date:	14-MAY-10	Pump:	Not Reported
Application Received:	26-APR-10	Construction Review Date:	29-APR-10
Permit Approval Date:	29-APR-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	40
Actual Total Depth:	14	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	-3
Well Terminus Type:	Pad Mount	Screen Top:	7

Screen Base:	14	Screen Material:	PVC
Inner Casing Base:	7	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	6
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	14	Gravel Top:	6
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	1	Rated Capacity:	0
Test Time:	1	Water Level:	13
Static Water Level:	7	Water Level Date:	19-MAY-10
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576298&Panel=ViewAll		

BA762
NNE
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124544**

Permit #:	231218	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-046.00-001	Septic Permit #:	n/a
Well Authorization Code:	5385279	Proposed Drill Method:	Geo-Probe
Completion Report Date:	07-JUN-10	Pump:	Not Reported
Application Received:	26-APR-10	Construction Review Date:	29-APR-10
Permit Approval Date:	29-APR-10	Est Daily Use:	0
Abandon Report Date:	05/05/2010	Total Proposed Depth:	20
Actual Total Depth:	28	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576293&Panel=ViewAll		

BA763
NNE **DE WELLS** **DE3000000124545**
1/2 - 1 Mile
Lower

Permit #:	231219	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-046.00-001	Septic Permit #:	n/a
Well Authorization Code:	4581341	Proposed Drill Method:	Geo-Probe
Completion Report Date:	02-JUN-10	Pump:	Not Reported
Application Received:	26-APR-10	Construction Review Date:	29-APR-10
Permit Approval Date:	29-APR-10	Est Daily Use:	0
Abandon Report Date:	06/02/2010	Total Proposed Depth:	20
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576294&Panel=ViewAll		

BA764
NNE **DE WELLS** **DE3000000124620**
1/2 - 1 Mile
Lower

Permit #:	231293	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-046.00-001	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-APR-10	Construction Review Date:	07-MAY-10

Permit Approval Date:	07-MAY-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	62
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576422&Panel=ViewAll		

AY765
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000020814**

Permit #:	205478	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-013	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	16-APR-12	Pump:	Not Reported
Application Received:	22-OCT-04	Construction Review Date:	22-OCT-04
Permit Approval Date:	22-OCT-04	Est Daily Use:	0
Abandon Report Date:	02/03/2012	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60081223&Panel=ViewAll		

AY766
NNW **DE WELLS** **DE3000000020815**
1/2 - 1 Mile
Lower

Permit #:	204944	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-013	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	22-OCT-04	Construction Review Date:	22-OCT-04
Permit Approval Date:	22-OCT-04	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60081224&Panel=ViewAll		

AZ767
NW **DE WELLS** **DE3000000119725**
1/2 - 1 Mile
Lower

Permit #:	226513	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-023	Septic Permit #:	n/a
Well Authorization Code:	3854311	Proposed Drill Method:	Geo-Probe
Completion Report Date:	12-JAN-09	Pump:	Not Reported
Application Received:	18-NOV-08	Construction Review Date:	24-NOV-08
Permit Approval Date:	24-NOV-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	18
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	3
Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	13	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	4	Water Level Date:	05-DEC-08
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60412977&Panel=ViewAll		

AZ768
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000119726**

Permit #:	226514	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-023	Septic Permit #:	n/a
Well Authorization Code:	3854311	Proposed Drill Method:	Geo-Probe
Completion Report Date:	12-JAN-09	Pump:	Not Reported
Application Received:	18-NOV-08	Construction Review Date:	24-NOV-08
Permit Approval Date:	24-NOV-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	18
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	3
Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	13	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	4	Water Level Date:	05-DEC-08

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60412978&Panel=ViewAll		

AZ769
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000119727**

Permit #:	226515	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-023	Septic Permit #:	n/a
Well Authorization Code:	3854311	Proposed Drill Method:	Geo-Probe
Completion Report Date:	12-JAN-09	Pump:	Not Reported
Application Received:	18-NOV-08	Construction Review Date:	24-NOV-08
Permit Approval Date:	24-NOV-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	18
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	Other	Screen Top:	3
Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	13	Gravel Top:	2
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	4	Water Level Date:	05-DEC-08
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60412979&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AW770
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000026867**

Permit #:	205480	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-013	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	22-OCT-04	Construction Review Date:	22-OCT-04
Permit Approval Date:	22-OCT-04	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087278&Panel=ViewAll		

AW771
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000026868**

Permit #:	204943	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-013	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	22-OCT-04	Construction Review Date:	22-OCT-04
Permit Approval Date:	22-OCT-04	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	None	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087279&Panel=ViewAll		

BB772
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000107671**

Permit #:	214670	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Hydropunch
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	08-MAY-06	Construction Review Date:	08-MAY-06
Permit Approval Date:	08-MAY-06	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60168184&Panel=ViewAll		

BC773
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138345**

Permit #:	244966	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	02-OCT-13	Est Max Capacity:	0
Tax ID:	26-058.00-015	Septic Permit #:	n/a
Well Authorization Code:	4039669	Proposed Drill Method:	Geo-Probe
Completion Report Date:	26-NOV-13	Pump:	Not Reported
Application Received:	02-OCT-13	Construction Review Date:	08-OCT-13
Permit Approval Date:	08-OCT-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	20
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	10
Screen Base:	20	Screen Material:	PVC
Inner Casing Base:	10	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	1
Grout Top:	0	Grout Material:	Grouted
Gravel Base:	20	Gravel Top:	12
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60678800&Panel=ViewAll		

BC774
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000138346**

Permit #:	244967	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	02-OCT-13	Est Max Capacity:	0
Tax ID:	26-058.00-015	Septic Permit #:	n/a
Well Authorization Code:	4039669	Proposed Drill Method:	Geo-Probe
Completion Report Date:	26-NOV-13	Pump:	Not Reported
Application Received:	02-OCT-13	Construction Review Date:	08-OCT-13

Permit Approval Date:	08-OCT-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	20
Actual Total Depth:	21	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	11
Screen Base:	21	Screen Material:	PVC
Inner Casing Base:	11	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	1
Grout Top:	0	Grout Material:	Grouted
Gravel Base:	20	Gravel Top:	9
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4126	Well Contractor:	Earth Matters Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60678801&Panel=ViewAll		

AZ775
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000112347**

Permit #:	219271	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-023	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	04-MAY-07	Construction Review Date:	09-MAY-07
Permit Approval Date:	09-MAY-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60176464&Panel=ViewAll		

AZ776
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000112348**

Permit #:	219272	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-023	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	04-MAY-07	Construction Review Date:	09-MAY-07
Permit Approval Date:	09-MAY-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60176465&Panel=ViewAll		

BA777
NNE
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124539**

Permit #:	231213	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-046.00-001	Septic Permit #:	n/a
Well Authorization Code:	5052629	Proposed Drill Method:	Geo-Probe
Completion Report Date:	18-MAY-10	Pump:	Not Reported
Application Received:	26-APR-10	Construction Review Date:	29-APR-10
Permit Approval Date:	29-APR-10	Est Daily Use:	0
Abandon Report Date:	05/18/2010	Total Proposed Depth:	20
Actual Total Depth:	24	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576288&Panel=ViewAll		

BA778
NNE
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124547**

Permit #:	231221	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-046.00-001	Septic Permit #:	n/a
Well Authorization Code:	4743843	Proposed Drill Method:	Geo-Probe
Completion Report Date:	07-JUN-10	Pump:	Not Reported
Application Received:	26-APR-10	Construction Review Date:	29-APR-10
Permit Approval Date:	29-APR-10	Est Daily Use:	0
Abandon Report Date:	05/11/2010	Total Proposed Depth:	20
Actual Total Depth:	28	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576296&Panel=ViewAll		

BD779
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033306**

Permit #:	106025	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	18-OCT-95	Est Max Capacity:	0
Tax ID:	26-058.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	18-OCT-95	Pump:	Not Reported
Application Received:	16-OCT-95	Construction Review Date:	16-OCT-95
Permit Approval Date:	16-OCT-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	14	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	10
Screen Base:	20	Screen Material:	PVC
Inner Casing Base:	10	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	8
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	20	Gravel Top:	8
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093720&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BD780
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000026964**

Permit #:	163635	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	29-MAR-99	Est Max Capacity:	0
Tax ID:	26-058.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	29-MAR-99	Pump:	Not Reported
Application Received:	01-MAR-99	Construction Review Date:	01-MAR-99
Permit Approval Date:	01-MAR-99	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087375&Panel=ViewAll		

BD781
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033313**

Permit #:	106026	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	18-OCT-95	Est Max Capacity:	0
Tax ID:	26-058.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	18-OCT-95	Pump:	Not Reported
Application Received:	16-OCT-95	Construction Review Date:	16-OCT-95
Permit Approval Date:	16-OCT-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	17	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	10

Screen Base:	20	Screen Material:	PVC
Inner Casing Base:	40	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	8
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	20	Gravel Top:	8
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093727&Panel=ViewAll		

BD782
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000033308**

Permit #:	106022	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	18-OCT-95	Est Max Capacity:	0
Tax ID:	26-058.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	18-OCT-95	Pump:	Not Reported
Application Received:	16-OCT-95	Construction Review Date:	16-OCT-95
Permit Approval Date:	16-OCT-95	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	10
Screen Base:	20	Screen Material:	PVC
Inner Casing Base:	10	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	8
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	20	Gravel Top:	8
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60093722&Panel=ViewAll		

BA783
NNE **DE WELLS** **DE3000000124543**
1/2 - 1 Mile
Lower

Permit #:	231217	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-046.00-001	Septic Permit #:	n/a
Well Authorization Code:	5293806	Proposed Drill Method:	Geo-Probe
Completion Report Date:	07-JUN-10	Pump:	Not Reported
Application Received:	26-APR-10	Construction Review Date:	29-APR-10
Permit Approval Date:	29-APR-10	Est Daily Use:	0
Abandon Report Date:	05/17/2010	Total Proposed Depth:	20
Actual Total Depth:	24	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576292&Panel=ViewAll		

BE784
North **DE WELLS** **DE3000000142952**
1/2 - 1 Mile
Lower

Permit #:	249547	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-019	Septic Permit #:	n/a
Well Authorization Code:	3475613	Proposed Drill Method:	Geo-Probe
Completion Report Date:	19-FEB-15	Pump:	Not Reported
Application Received:	16-JAN-15	Construction Review Date:	20-JAN-15

Permit Approval Date:	20-JAN-15	Est Daily Use:	0
Abandon Report Date:	01/30/2015	Total Proposed Depth:	20
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60695516&Panel=ViewAll		

BB785
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000158338**

Permit #:	264873	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	21-FEB-19	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	4198218	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	19-FEB-19	Construction Review Date:	19-FEB-19
Permit Approval Date:	08-MAR-19	Est Daily Use:	0
Abandon Report Date:	07/08/2019	Total Proposed Depth:	100
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60751682&Panel=ViewAll		

BD786
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000231760**

Organization ID:	USGS-MD	Organization Name:	USGS Maryland Water Science Center
Monitor Location:	Cd23-15	Type:	Well
Description:	DGS Lat/Long:N394324W753227S		
HUC:	02040205	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported		
Aquifer:	Northern Atlantic Coastal Plain aquifer system		
Formation Type:	Potomac Formation	Aquifer Type:	Not Reported
Construction Date:	19740612	Well Depth:	53
Well Depth Units:	ft	Well Hole Depth:	53
Well Hole Depth Units:	ft		

AX787
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000028790**

Permit #:	184688	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	20-MAR-02	Est Max Capacity:	0
Tax ID:	26-045.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	20-MAR-02	Pump:	Not Reported
Application Received:	12-MAR-02	Construction Review Date:	12-MAR-02
Permit Approval Date:	12-MAR-02	Est Daily Use:	0
Abandon Report Date:	11/02/2010	Total Proposed Depth:	0
Actual Total Depth:	24	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	4
Well Terminus Type:	Pitless Adaptor	Screen Top:	14
Screen Base:	24	Screen Material:	PVC
Inner Casing Base:	14	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	12
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	24	Gravel Top:	12
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60089201&Panel=ViewAll		

788
SSW **DE WELLS** **DE3000000012442**
1/2 - 1 Mile
Lower

Permit #:	180324	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	31-JUL-01	Construction Review Date:	31-JUL-01
Permit Approval Date:	31-JUL-01	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60072842&Panel=ViewAll		

789
SSW **DE WELLS** **DE3000000144827**
1/2 - 1 Mile
Lower

Permit #:	251418	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned

Est Construction Date:	06-JUL-15	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	N/A
Well Authorization Code:	4935907	Proposed Drill Method:	Augered
Completion Report Date:	03-AUG-15	Pump:	Not Reported
Application Received:	13-JUL-15	Construction Review Date:	13-JUL-15
Permit Approval Date:	13-JUL-15	Est Daily Use:	0
Abandon Report Date:	07/16/2015	Total Proposed Depth:	15
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60701715&Panel=ViewAll		

BA790
NNE
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124534**

Permit #:	231208	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-046.00-001	Septic Permit #:	n/a
Well Authorization Code:	5649412	Proposed Drill Method:	Geo-Probe
Completion Report Date:	07-JUN-10	Pump:	Not Reported
Application Received:	26-APR-10	Construction Review Date:	29-APR-10
Permit Approval Date:	29-APR-10	Est Daily Use:	0
Abandon Report Date:	06/07/2010	Total Proposed Depth:	20
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60576283&Panel=ViewAll		

BF791
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000024027**

Permit #:	175377	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	06-NOV-00	Est Max Capacity:	0
Tax ID:	26-045.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	06-NOV-00	Pump:	Not Reported
Application Received:	06-NOV-00	Construction Review Date:	06-NOV-00
Permit Approval Date:	06-NOV-00	Est Daily Use:	0
Abandon Report Date:	06/28/2007	Total Proposed Depth:	0
Actual Total Depth:	19	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	30
Well Terminus Type:	Other	Screen Top:	9
Screen Base:	19	Screen Material:	PVC
Inner Casing Base:	9	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	19	Gravel Top:	7
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	06-NOV-00
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60084438&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BF792
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000024028**

Permit #:	175378	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	06-NOV-00	Construction Review Date:	06-NOV-00
Permit Approval Date:	06-NOV-00	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60084439&Panel=ViewAll		

BF793
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000024029**

Permit #:	175379	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-045.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	06-NOV-00	Construction Review Date:	06-NOV-00
Permit Approval Date:	06-NOV-00	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	25	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60084440&Panel=ViewAll		

BB794
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000012441**

Permit #:	180327	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	31-JUL-01	Construction Review Date:	31-JUL-01
Permit Approval Date:	31-JUL-01	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60072841&Panel=ViewAll		

795
ENE **DE WELLS** **DE3000000129687**
1/2 - 1 Mile
Higher

Permit #:	236400	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Completed
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-053.00-003	Septic Permit #:	n/a
Well Authorization Code:	4458586	Proposed Drill Method:	Mud Rotary
Completion Report Date:	30-AUG-11	Pump:	Not Reported
Application Received:	22-JUL-11	Construction Review Date:	29-JUL-11
Permit Approval Date:	29-JUL-11	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	100
Actual Total Depth:	103	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	30
Well Terminus Type:	Pad Mount	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	101	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	101
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	27-FEB-12
Replaced Well Permit #:	217801	How Abandoned:	Not Reported
License #:	5378	Well Contractor:	Summit Site Services Inc
Watershed:	Shellpot Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	Yes	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60597002&Panel=ViewAll		

BB796
SSW **DE WELLS** **DE3000000145935**
1/2 - 1 Mile
Lower

Permit #:	252517	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	14-OCT-15	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	N/A
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	30-NOV-15	Pump:	Not Reported
Application Received:	15-OCT-15	Construction Review Date:	15-OCT-15

Permit Approval Date:	15-OCT-15	Est Daily Use:	0
Abandon Report Date:	08/03/2016	Total Proposed Depth:	15
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	2	Rated Capacity:	0
Test Time:	1	Water Level:	11
Static Water Level:	11	Water Level Date:	11-FEB-16
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60705240&Panel=ViewAll		

BB797
SSW **DE WELLS** **DE3000000145934**
1/2 - 1 Mile
Lower

Permit #:	252516	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	14-OCT-15	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	N/A
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	30-NOV-15	Pump:	Not Reported
Application Received:	15-OCT-15	Construction Review Date:	15-OCT-15
Permit Approval Date:	15-OCT-15	Est Daily Use:	0
Abandon Report Date:	06/30/2016	Total Proposed Depth:	15
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	5
Screen Base:	10	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	2	Rated Capacity:	0
Test Time:	1	Water Level:	9
Static Water Level:	9	Water Level Date:	11-FEB-16
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60705239&Panel=ViewAll		

BB798
SSW **DE WELLS** **DE3000000145933**
1/2 - 1 Mile
Lower

Permit #:	252515	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	14-OCT-15	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	N/A
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	30-NOV-15	Pump:	Not Reported
Application Received:	15-OCT-15	Construction Review Date:	15-OCT-15
Permit Approval Date:	15-OCT-15	Est Daily Use:	0
Abandon Report Date:	07/30/2016	Total Proposed Depth:	15
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	5	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	2	Rated Capacity:	0
Test Time:	1	Water Level:	9
Static Water Level:	9	Water Level Date:	10-FEB-16
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60705238&Panel=ViewAll		

BB799
SSW **DE WELLS** **DE3000000145938**
1/2 - 1 Mile
Lower

Permit #:	252520	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned

Est Construction Date:	14-OCT-15	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	N/A
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	30-NOV-15	Pump:	Not Reported
Application Received:	15-OCT-15	Construction Review Date:	15-OCT-15
Permit Approval Date:	15-OCT-15	Est Daily Use:	0
Abandon Report Date:	06/30/2016	Total Proposed Depth:	15
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	5
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	17	Gravel Top:	5
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	2	Rated Capacity:	0
Test Time:	1	Water Level:	12
Static Water Level:	12	Water Level Date:	12-FEB-16
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60705243&Panel=ViewAll		

BB800
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000145937**

Permit #:	252519	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	14-OCT-15	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	N/A
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	30-NOV-15	Pump:	Not Reported
Application Received:	15-OCT-15	Construction Review Date:	15-OCT-15
Permit Approval Date:	15-OCT-15	Est Daily Use:	0
Abandon Report Date:	06/30/2016	Total Proposed Depth:	15
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	3
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	7	Rated Capacity:	0
Test Time:	1	Water Level:	11
Static Water Level:	11	Water Level Date:	11-FEB-16

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60705242&Panel=ViewAll		

BB801
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000145936**

Permit #:	252518	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	14-OCT-15	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	N/A
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	30-NOV-15	Pump:	Not Reported
Application Received:	15-OCT-15	Construction Review Date:	15-OCT-15
Permit Approval Date:	15-OCT-15	Est Daily Use:	0
Abandon Report Date:	06/30/2016	Total Proposed Depth:	15
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	2	Rated Capacity:	0
Test Time:	1	Water Level:	11
Static Water Level:	11	Water Level Date:	11-FEB-16
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5317	Well Contractor:	Enviroprobe Service Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60705241&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BC802
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027458**

Permit #:	159129	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	07-JUL-98	Est Max Capacity:	0
Tax ID:	26-058.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	07-JUL-98	Pump:	Not Reported
Application Received:	06-JUL-98	Construction Review Date:	06-JUL-98
Permit Approval Date:	06-JUL-98	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	20
Screen Base:	24	Screen Material:	Steel
Inner Casing Base:	20	Inner Casing Top:	0
Inner Casing Material:	Steel	Grout Base:	24
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	931	Well Contractor:	First State Sampling
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087869&Panel=ViewAll		

BG803
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000112586**

Permit #:	219510	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-029	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	24-MAY-07	Construction Review Date:	04-JUN-07
Permit Approval Date:	04-JUN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	4
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60176803&Panel=ViewAll		

BG804
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000112587**

Permit #:	219511	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-029	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	24-MAY-07	Construction Review Date:	04-JUN-07
Permit Approval Date:	04-JUN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	4
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60176804&Panel=ViewAll		

BG805
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000112588**

Permit #:	219512	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-029	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	24-MAY-07	Construction Review Date:	04-JUN-07
Permit Approval Date:	04-JUN-07	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	4
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60176805&Panel=ViewAll		

BH806
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000135993**

Permit #:	242642	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	18-MAR-13	Est Max Capacity:	0
Tax ID:	26-058.30-025	Septic Permit #:	n/a
Well Authorization Code:	6460716	Proposed Drill Method:	Augered
Completion Report Date:	30-APR-13	Pump:	Not Reported
Application Received:	01-MAR-13	Construction Review Date:	04-MAR-13

Permit Approval Date:	04-MAR-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	7
Actual Total Depth:	8	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	2
Screen Base:	7	Screen Material:	PVC
Inner Casing Base:	2	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60669932&Panel=ViewAll		

BH807
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000135994**

Permit #:	242643	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	18-MAR-13	Est Max Capacity:	0
Tax ID:	26-058.30-025	Septic Permit #:	n/a
Well Authorization Code:	6460716	Proposed Drill Method:	Augered
Completion Report Date:	30-APR-13	Pump:	Not Reported
Application Received:	01-MAR-13	Construction Review Date:	04-MAR-13
Permit Approval Date:	04-MAR-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	7
Actual Total Depth:	8	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	2
Screen Base:	7	Screen Material:	PVC
Inner Casing Base:	2	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	1
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60669933&Panel=ViewAll		

BI808
NNW **DE WELLS** **DE3000000023133**
1/2 - 1 Mile
Lower

Permit #:	160437	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	10-SEP-98	Est Max Capacity:	0
Tax ID:	26-044.00-013	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	10-SEP-98	Pump:	Not Reported
Application Received:	08-SEP-98	Construction Review Date:	08-SEP-98
Permit Approval Date:	08-SEP-98	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	14	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Neat Cement
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083544&Panel=ViewAll		

BH809
WNW **DE WELLS** **DE3000000119363**
1/2 - 1 Mile
Lower

Permit #:	226162	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-058.10-203	Septic Permit #:	n/a
Well Authorization Code:	4634447	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-OCT-08	Construction Review Date:	22-OCT-08
Permit Approval Date:	22-OCT-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60412377&Panel=ViewAll		

BH810
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000119364**

Permit #:	226163	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-058.10-203	Septic Permit #:	n/a
Well Authorization Code:	4634447	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-OCT-08	Construction Review Date:	22-OCT-08
Permit Approval Date:	22-OCT-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60412378&Panel=ViewAll		

BH811
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000119365**

Permit #:	226164	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-058.10-203	Septic Permit #:	n/a
Well Authorization Code:	4634447	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-OCT-08	Construction Review Date:	22-OCT-08
Permit Approval Date:	22-OCT-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60412379&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BH812
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000119362**

Permit #:	226161	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-058.10-203	Septic Permit #:	n/a
Well Authorization Code:	4617536	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	14-OCT-08	Construction Review Date:	22-OCT-08
Permit Approval Date:	22-OCT-08	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	15
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60412376&Panel=ViewAll		

BH813
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000136002**

Permit #:	242651	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Completed
Est Construction Date:	18-MAR-13	Est Max Capacity:	0
Tax ID:	26-058.30-025	Septic Permit #:	Not Reported
Well Authorization Code:	6430566	Proposed Drill Method:	Augered
Completion Report Date:	22-APR-13	Pump:	Not Reported
Application Received:	01-MAR-13	Construction Review Date:	01-MAR-13
Permit Approval Date:	06-MAR-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	50
Actual Total Depth:	8	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	2

Screen Base:	7	Screen Material:	PVC
Inner Casing Base:	2	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	1
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	7	Gravel Top:	1
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	Yes
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60669950&Panel=ViewAll		

BG814
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000001793**

Permit #:	209832	Local Well ID:	0
Well Type:	Not Reported	Well Status:	Permit Expired
Est Construction Date:	04-MAY-05	Est Max Capacity:	0
Tax ID:	26-051.00-029	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	03-MAY-05	Construction Review Date:	05-MAY-05
Permit Approval Date:	05-MAY-05	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Standard T	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	04-MAY-05
Replaced Well Permit #:	Not Reported	How Abandoned:	Bad Water
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60061087&Panel=ViewAll		

BG815
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000001792**

Permit #:	209831	Local Well ID:	0
Well Type:	Not Reported	Well Status:	Permit Expired
Est Construction Date:	04-MAY-05	Est Max Capacity:	0
Tax ID:	26-051.00-029	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	03-MAY-05	Construction Review Date:	05-MAY-05
Permit Approval Date:	05-MAY-05	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Standard T	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	04-MAY-05
Replaced Well Permit #:	Not Reported	How Abandoned:	Bad Water
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60061086&Panel=ViewAll		

BG816
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000001795**

Permit #:	209834	Local Well ID:	0
Well Type:	Not Reported	Well Status:	Permit Expired
Est Construction Date:	04-MAY-05	Est Max Capacity:	0
Tax ID:	26-051.00-029	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	03-MAY-05	Construction Review Date:	05-MAY-05

Permit Approval Date:	05-MAY-05	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Standard T	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	04-MAY-05
Replaced Well Permit #:	Not Reported	How Abandoned:	Bad Water
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60061089&Panel=ViewAll		

BG817
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000001794**

Permit #:	209833	Local Well ID:	0
Well Type:	Not Reported	Well Status:	Permit Expired
Est Construction Date:	04-MAY-05	Est Max Capacity:	0
Tax ID:	26-051.00-029	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	03-MAY-05	Construction Review Date:	05-MAY-05
Permit Approval Date:	05-MAY-05	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Standard T	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	04-MAY-05
Replaced Well Permit #:	Not Reported	How Abandoned:	Bad Water
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60061088&Panel=ViewAll		

818
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000012443**

Permit #:	180325	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-070.00-001	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	31-JUL-01	Construction Review Date:	31-JUL-01
Permit Approval Date:	31-JUL-01	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	16	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60072843&Panel=ViewAll		

BD819
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000026963**

Permit #:	169313	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Well Abandoned

Est Construction Date:	16-DEC-99	Est Max Capacity:	0
Tax ID:	26-058.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Other
Completion Report Date:	16-DEC-99	Pump:	Not Reported
Application Received:	06-DEC-99	Construction Review Date:	06-DEC-99
Permit Approval Date:	06-DEC-99	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	Yes
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087374&Panel=ViewAll		

BE820
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000020447**

Permit #:	39422	Local Well ID:	0
Well Type:	Miscellaneous - Standard	Well Status:	Pending
Est Construction Date:	09-SEP-77	Est Max Capacity:	1
Tax ID:	26-045.00-014	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	09-SEP-77	Pump:	Not Reported
Application Received:	09-SEP-77	Construction Review Date:	09-SEP-77
Permit Approval Date:	09-SEP-77	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	30	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60080856&Panel=ViewAll		

BJ821
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000164205**

Permit #:	270751	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	10-AUG-20	Est Max Capacity:	0
Tax ID:	26-044.00-024	Septic Permit #:	Not Reported
Well Authorization Code:	4184810	Proposed Drill Method:	Geo-Probe
Completion Report Date:	10-SEP-20	Pump:	Not Reported
Application Received:	21-JUL-20	Construction Review Date:	21-JUL-20
Permit Approval Date:	27-JUL-20	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	16
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3
Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	None
Gravel Base:	13	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Monitor Standard. Tags required.
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60773199&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BJ822
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000164206**

Permit #:	270752	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	10-AUG-20	Est Max Capacity:	0
Tax ID:	26-044.00-024	Septic Permit #:	Not Reported
Well Authorization Code:	4184810	Proposed Drill Method:	Geo-Probe
Completion Report Date:	10-SEP-20	Pump:	Not Reported
Application Received:	21-JUL-20	Construction Review Date:	21-JUL-20
Permit Approval Date:	27-JUL-20	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	16
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3
Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	None
Gravel Base:	13	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Monitor Standard. Tags required.
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60773200&Panel=ViewAll		

BJ823
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000164207**

Permit #:	270753	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	10-AUG-20	Est Max Capacity:	0
Tax ID:	26-044.00-024	Septic Permit #:	Not Reported
Well Authorization Code:	4184810	Proposed Drill Method:	Geo-Probe
Completion Report Date:	10-SEP-20	Pump:	Not Reported
Application Received:	21-JUL-20	Construction Review Date:	21-JUL-20
Permit Approval Date:	27-JUL-20	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	16
Actual Total Depth:	13	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	3

Screen Base:	13	Screen Material:	PVC
Inner Casing Base:	3	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	None
Gravel Base:	13	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Monitor Standard. Tags required.
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60773201&Panel=ViewAll		

BK824
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023107**

Permit #:	98475	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-MAR-94	Pump:	Not Reported
Application Received:	19-JAN-94	Construction Review Date:	19-JAN-94
Permit Approval Date:	19-JAN-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083518&Panel=ViewAll		

BK825
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023108**

Permit #:	99084	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	30-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	30-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	6	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083519&Panel=ViewAll		

BK826
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023106**

Permit #:	98474	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-MAR-94	Pump:	Not Reported
Application Received:	19-JAN-94	Construction Review Date:	19-JAN-94

Permit Approval Date:	19-JAN-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	0
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083517&Panel=ViewAll		

BK827
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023102**

Permit #:	98476	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-MAR-94	Pump:	Not Reported
Application Received:	19-JAN-94	Construction Review Date:	19-JAN-94
Permit Approval Date:	19-JAN-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083513&Panel=ViewAll		

BK828
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023105**

Permit #:	98473	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	01-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	01-MAR-94	Pump:	Not Reported
Application Received:	19-JAN-94	Construction Review Date:	19-JAN-94
Permit Approval Date:	19-JAN-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	16	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	6
Screen Base:	16	Screen Material:	PVC
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	16	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083516&Panel=ViewAll		

BK829
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023112**

Permit #:	99082	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned

Est Construction Date:	30-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	30-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	6	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083523&Panel=ViewAll		

BK830
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023113**

Permit #:	99083	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	30-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	30-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	6	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083524&Panel=ViewAll		

BK831
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023111**

Permit #:	99081	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	30-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	30-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	8	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083522&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BK832
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023109**

Permit #:	99086	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	30-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	30-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	6	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083520&Panel=ViewAll		

BK833
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023110**

Permit #:	99087	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	30-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	30-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	6	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083521&Panel=ViewAll		

BK834
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023101**

Permit #:	95622	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	12-JUL-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Other
Completion Report Date:	12-JUL-93	Pump:	Not Reported
Application Received:	02-JUN-93	Construction Review Date:	02-JUN-93
Permit Approval Date:	02-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	62	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	52
Screen Base:	62	Screen Material:	PVC
Inner Casing Base:	52	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	50
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	62	Gravel Top:	50
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083512&Panel=ViewAll		

BK835
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021979**

Permit #:	111889	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082390&Panel=ViewAll		

BK836
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021989**

Permit #:	109063	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-JUL-96	Construction Review Date:	30-JUL-96

Permit Approval Date:	30-JUL-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082400&Panel=ViewAll		

BK837
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021975**

Permit #:	111892	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082386&Panel=ViewAll		

BK838
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021962**

Permit #:	109107	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Well Abandoned
Est Construction Date:	14-AUG-96	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	14-AUG-96	Pump:	Not Reported
Application Received:	07-AUG-96	Construction Review Date:	07-AUG-96
Permit Approval Date:	07-AUG-96	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082373&Panel=ViewAll		

BK839
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021974**

Permit #:	111891	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082385&Panel=ViewAll		

BK840
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000022162**

Permit #:	83616	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	03-AUG-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	03-AUG-90	Pump:	Not Reported
Application Received:	06-JUL-90	Construction Review Date:	06-JUL-90
Permit Approval Date:	06-JUL-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	2
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082573&Panel=ViewAll		

BK841
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000022163**

Permit #:	83617	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	03-AUG-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	03-AUG-90	Pump:	Not Reported
Application Received:	06-JUL-90	Construction Review Date:	06-JUL-90
Permit Approval Date:	06-JUL-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082574&Panel=ViewAll		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BK842
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000022161**

Permit #:	83615	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	03-AUG-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	03-AUG-90	Pump:	Not Reported
Application Received:	06-JUL-90	Construction Review Date:	06-JUL-90
Permit Approval Date:	06-JUL-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082572&Panel=ViewAll		

BK843
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000021992**

Permit #:	111890	Local Well ID:	0
Well Type:	Monitor - Direct Push	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-063.00-020	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	30-MAY-97	Construction Review Date:	30-MAY-97
Permit Approval Date:	30-MAY-97	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	951	Well Contractor:	Talon Drilling Company
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082403&Panel=ViewAll		

BK844
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000022160**

Permit #:	83618	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	03-AUG-90	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	03-AUG-90	Pump:	Not Reported
Application Received:	06-JUL-90	Construction Review Date:	06-JUL-90
Permit Approval Date:	06-JUL-90	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	4
Max Well Diameter:	4	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	15	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	4
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	15	Gravel Top:	4
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	0	Well Contractor:	Not Reported
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60082571&Panel=ViewAll		

BK845
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023128**

Permit #:	99080	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	30-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	30-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	24	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083539&Panel=ViewAll		

BK846
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027460**

Permit #:	100827	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-AUG-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-AUG-94	Pump:	Not Reported
Application Received:	01-AUG-94	Construction Review Date:	01-AUG-94

Permit Approval Date:	01-AUG-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	1	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087871&Panel=ViewAll		

BK847
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023127**

Permit #:	99075	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	25-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	25-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083538&Panel=ViewAll		

BK848
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023125**

Permit #:	99068	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	25-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	25-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083536&Panel=ViewAll		

BK849
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023126**

Permit #:	99069	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned

Est Construction Date:	25-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	25-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	21	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083537&Panel=ViewAll		

BK850
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027464**

Permit #:	100828	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-AUG-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-AUG-94	Pump:	Not Reported
Application Received:	01-AUG-94	Construction Review Date:	01-AUG-94
Permit Approval Date:	01-AUG-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	9	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	9	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	1	Grout Material:	Bentonite
Gravel Base:	9	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087875&Panel=ViewAll		

BK851
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027465**

Permit #:	100826	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-AUG-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-AUG-94	Pump:	Not Reported
Application Received:	01-AUG-94	Construction Review Date:	01-AUG-94
Permit Approval Date:	01-AUG-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	8	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	8	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	1	Grout Material:	Bentonite
Gravel Base:	8	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087876&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BK852
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027463**

Permit #:	100825	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-AUG-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-AUG-94	Pump:	Not Reported
Application Received:	01-AUG-94	Construction Review Date:	01-AUG-94
Permit Approval Date:	01-AUG-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	8	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	8	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	1	Grout Material:	Bentonite
Gravel Base:	8	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087874&Panel=ViewAll		

BK853
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027461**

Permit #:	100829	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-AUG-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-AUG-94	Pump:	Not Reported
Application Received:	01-AUG-94	Construction Review Date:	01-AUG-94
Permit Approval Date:	01-AUG-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	9	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5

Screen Base:	9	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	1	Grout Material:	Bentonite
Gravel Base:	9	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087872&Panel=ViewAll		

BK854
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000027462**

Permit #:	100830	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	04-AUG-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	04-AUG-94	Pump:	Not Reported
Application Received:	01-AUG-94	Construction Review Date:	01-AUG-94
Permit Approval Date:	01-AUG-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	5
Screen Base:	0	Screen Material:	PVC
Inner Casing Base:	5	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	3
Grout Top:	1	Grout Material:	Bentonite
Gravel Base:	0	Gravel Top:	3
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60087873&Panel=ViewAll		

BK855
SW **DE WELLS** **DE3000000023124**
1/2 - 1 Mile
Lower

Permit #:	95621	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	08-AUG-93	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Augered
Completion Report Date:	08-AUG-93	Pump:	Not Reported
Application Received:	02-JUN-93	Construction Review Date:	02-JUN-93
Permit Approval Date:	02-JUN-93	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	29	Min Well Diameter:	2
Max Well Diameter:	2	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	19
Screen Base:	29	Screen Material:	PVC
Inner Casing Base:	19	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	17
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	29	Gravel Top:	17
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	928	Well Contractor:	Uni-Tech Drilling Company Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083535&Panel=ViewAll		

BK856
SW **DE WELLS** **DE3000000023117**
1/2 - 1 Mile
Lower

Permit #:	99073	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	25-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	25-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94

Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083528&Panel=ViewAll		

BK857
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023118**

Permit #:	99074	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	25-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	25-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083529&Panel=ViewAll		

BK858
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023116**

Permit #:	99079	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	30-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	30-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	21	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083527&Panel=ViewAll		

BK859
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023114**

Permit #:	99077	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned

Est Construction Date:	25-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	25-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	18	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083525&Panel=ViewAll		

BK860
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023115**

Permit #:	99078	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	30-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	30-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	18	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083526&Panel=ViewAll		

BK861
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023122**

Permit #:	99072	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	25-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	25-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083533&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BK862
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023123**

Permit #:	99085	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	30-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	30-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	6	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083534&Panel=ViewAll		

BK863
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023121**

Permit #:	99071	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Well Abandoned
Est Construction Date:	25-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	25-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	15	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	Yes
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083532&Panel=ViewAll		

BK864
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023119**

Permit #:	99076	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	25-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	25-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	17	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083530&Panel=ViewAll		

BK865
SW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000023120**

Permit #:	99070	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	25-MAR-94	Est Max Capacity:	0
Tax ID:	Not Reported	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Bored
Completion Report Date:	25-MAR-94	Pump:	Not Reported
Application Received:	25-MAR-94	Construction Review Date:	25-MAR-94
Permit Approval Date:	25-MAR-94	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	21	Well Contractor:	Joseph T Hardy & Son Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60083531&Panel=ViewAll		

BG866
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000120727**

Permit #:	227501	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-021	Septic Permit #:	n/a
Well Authorization Code:	4530780	Proposed Drill Method:	Hydropunch
Completion Report Date:	29-MAY-09	Pump:	Not Reported
Application Received:	18-MAR-09	Construction Review Date:	18-MAR-09

Permit Approval Date:	19-MAR-09	Est Daily Use:	0
Abandon Report Date:	05/29/2009	Total Proposed Depth:	12
Actual Total Depth:	10	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	5368	Well Contractor:	Environmental Field Service
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60542878&Panel=ViewAll		

BL867
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124156**

Permit #:	230838	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-021	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Hydropunch
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	22-MAR-10	Construction Review Date:	22-MAR-10
Permit Approval Date:	22-MAR-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60575358&Panel=ViewAll		

BL868
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000124157**

Permit #:	230839	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Permit Expired
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-021	Septic Permit #:	n/a
Well Authorization Code:	Not Reported	Proposed Drill Method:	Hydropunch
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	22-MAR-10	Construction Review Date:	22-MAR-10
Permit Approval Date:	22-MAR-10	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	12
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60575359&Panel=ViewAll		

BJ869
NW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000148927**

Permit #:	255481	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned

Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-051.00-010	Septic Permit #:	N/A
Well Authorization Code:	7142446	Proposed Drill Method:	Hydropunch
Completion Report Date:	31-AUG-16	Pump:	Not Reported
Application Received:	05-AUG-16	Construction Review Date:	08-AUG-16
Permit Approval Date:	08-AUG-16	Est Daily Use:	0
Abandon Report Date:	08/11/2016	Total Proposed Depth:	11
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60716238&Panel=ViewAll		

870
North
1/2 - 1 Mile
Lower

DE WELLS **DE3000000145022**

Permit #:	251613	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Well Abandoned
Est Construction Date:	27-JUL-15	Est Max Capacity:	0
Tax ID:	26-037.00-007	Septic Permit #:	N/A
Well Authorization Code:	3590061	Proposed Drill Method:	Augered
Completion Report Date:	02-NOV-15	Pump:	Not Reported
Application Received:	27-JUL-15	Construction Review Date:	29-JUL-15
Permit Approval Date:	29-JUL-15	Est Daily Use:	0
Abandon Report Date:	10/06/2015	Total Proposed Depth:	70
Actual Total Depth:	70	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported

Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	999	Well Contractor:	Delaware Geological Survey
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	Worked to be performed on DOT Right-of-Way		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60702336&Panel=ViewAll		

871
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000163713**

Permit #:	270259	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Issued
Est Construction Date:	25-JUN-20	Est Max Capacity:	0
Tax ID:	26-044.00-023	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Geo-Probe
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	11-JUN-20	Construction Review Date:	11-JUN-20
Permit Approval Date:	16-JUN-20	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	16
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Monitor standard - tag required.
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60771503&Panel=ViewAll		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BH872
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000136001**

Permit #:	242650	Local Well ID:	0
Well Type:	Soil Borings - Standard	Well Status:	Completed
Est Construction Date:	18-MAR-13	Est Max Capacity:	0
Tax ID:	26-058.30-025	Septic Permit #:	Not Reported
Well Authorization Code:	6444002	Proposed Drill Method:	Augered
Completion Report Date:	22-APR-13	Pump:	Not Reported
Application Received:	01-MAR-13	Construction Review Date:	01-MAR-13
Permit Approval Date:	06-MAR-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	50
Actual Total Depth:	70	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60669949&Panel=ViewAll		

BH873
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000135997**

Permit #:	242646	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	18-MAR-13	Est Max Capacity:	0
Tax ID:	26-058.30-025	Septic Permit #:	n/a
Well Authorization Code:	6453872	Proposed Drill Method:	Augered
Completion Report Date:	22-APR-13	Pump:	Not Reported
Application Received:	01-MAR-13	Construction Review Date:	04-MAR-13
Permit Approval Date:	04-MAR-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	7
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0

Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60669940&Panel=ViewAll		

BH874
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000135996**

Permit #:	242645	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	18-MAR-13	Est Max Capacity:	0
Tax ID:	26-058.30-025	Septic Permit #:	n/a
Well Authorization Code:	6453872	Proposed Drill Method:	Augered
Completion Report Date:	22-APR-13	Pump:	Not Reported
Application Received:	01-MAR-13	Construction Review Date:	04-MAR-13
Permit Approval Date:	04-MAR-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	7
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes

Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60669939&Panel=ViewAll		

BH875
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000135995**

Permit #:	242644	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Completed
Est Construction Date:	18-MAR-13	Est Max Capacity:	0
Tax ID:	26-058.30-025	Septic Permit #:	n/a
Well Authorization Code:	6453872	Proposed Drill Method:	Augered
Completion Report Date:	22-APR-13	Pump:	Not Reported
Application Received:	01-MAR-13	Construction Review Date:	04-MAR-13
Permit Approval Date:	04-MAR-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	7
Actual Total Depth:	8	Min Well Diameter:	1
Max Well Diameter:	1	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	2
Screen Base:	7	Screen Material:	PVC
Inner Casing Base:	2	Inner Casing Top:	0
Inner Casing Material:	PVC	Grout Base:	1
Grout Top:	0	Grout Material:	Bentonite
Gravel Base:	7	Gravel Top:	1
Gravel Material:	Gravel	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60669938&Panel=ViewAll		

BH876
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000136000**

Permit #:	242649	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	18-MAR-13	Est Max Capacity:	0
Tax ID:	26-058.30-025	Septic Permit #:	n/a
Well Authorization Code:	6453872	Proposed Drill Method:	Augered
Completion Report Date:	22-APR-13	Pump:	Not Reported
Application Received:	01-MAR-13	Construction Review Date:	04-MAR-13

Permit Approval Date:	04-MAR-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	7
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60669943&Panel=ViewAll		

BH877
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000135999**

Permit #:	242648	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	18-MAR-13	Est Max Capacity:	0
Tax ID:	26-058.30-025	Septic Permit #:	n/a
Well Authorization Code:	6453872	Proposed Drill Method:	Augered
Completion Report Date:	22-APR-13	Pump:	Not Reported
Application Received:	01-MAR-13	Construction Review Date:	04-MAR-13
Permit Approval Date:	04-MAR-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	7
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes

Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60669942&Panel=ViewAll		

BH878
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000135998**

Permit #:	242647	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Active
Est Construction Date:	18-MAR-13	Est Max Capacity:	0
Tax ID:	26-058.30-025	Septic Permit #:	n/a
Well Authorization Code:	6453872	Proposed Drill Method:	Augered
Completion Report Date:	22-APR-13	Pump:	Not Reported
Application Received:	01-MAR-13	Construction Review Date:	04-MAR-13
Permit Approval Date:	04-MAR-13	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	7
Actual Total Depth:	0	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	52	Well Contractor:	Walton Corporation
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	Yes	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60669941&Panel=ViewAll		

BM879
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000155466**

Permit #:	262007	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned

Est Construction Date:	24-MAY-18	Est Max Capacity:	0
Tax ID:	26-058.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	5158389	Proposed Drill Method:	Geo-Probe
Completion Report Date:	03-JUL-18	Pump:	Not Reported
Application Received:	14-MAY-18	Construction Review Date:	18-MAY-18
Permit Approval Date:	18-MAY-18	Est Daily Use:	0
Abandon Report Date:	05/24/2018	Total Proposed Depth:	10
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	NCC Parcel Search has the incorrect address for this property.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60740814&Panel=ViewAll		

BM880
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000155465**

Permit #:	262006	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	24-MAY-18	Est Max Capacity:	0
Tax ID:	26-058.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	5158389	Proposed Drill Method:	Geo-Probe
Completion Report Date:	03-JUL-18	Pump:	Not Reported
Application Received:	14-MAY-18	Construction Review Date:	18-MAY-18
Permit Approval Date:	18-MAY-18	Est Daily Use:	0
Abandon Report Date:	05/24/2018	Total Proposed Depth:	10
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0

Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	NCC Parcel Search has the incorrect address for this property.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60740813&Panel=ViewAll		

BM881
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000155468**

Permit #:	262009	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	24-MAY-18	Est Max Capacity:	0
Tax ID:	26-058.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	5158389	Proposed Drill Method:	Geo-Probe
Completion Report Date:	03-JUL-18	Pump:	Not Reported
Application Received:	14-MAY-18	Construction Review Date:	18-MAY-18
Permit Approval Date:	18-MAY-18	Est Daily Use:	0
Abandon Report Date:	05/24/2018	Total Proposed Depth:	10
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	NCC Parcel Search has the incorrect address for this property.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60740816&Panel=ViewAll		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

BM882
West
1/2 - 1 Mile
Lower

DE WELLS **DE3000000155467**

Permit #:	262008	Local Well ID:	0
Well Type:	Monitor - Standard	Well Status:	Well Abandoned
Est Construction Date:	24-MAY-18	Est Max Capacity:	0
Tax ID:	26-058.00-012	Septic Permit #:	Not Reported
Well Authorization Code:	5158389	Proposed Drill Method:	Geo-Probe
Completion Report Date:	03-JUL-18	Pump:	Not Reported
Application Received:	14-MAY-18	Construction Review Date:	18-MAY-18
Permit Approval Date:	18-MAY-18	Est Daily Use:	0
Abandon Report Date:	05/24/2018	Total Proposed Depth:	10
Actual Total Depth:	12	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	0
Well Terminus Type:	Not Reported	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Christina River	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	Yes	Well Pit:	Yes
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	Yes
CPCN:	Yes	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0		
Comments:	NCC Parcel Search has the incorrect address for this property.		
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60740815&Panel=ViewAll		

BI883
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000008265**

Permit #:	205479	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-044.00-023	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	22-OCT-04	Construction Review Date:	22-OCT-04
Permit Approval Date:	22-OCT-04	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24

Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No
Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60068662&Panel=ViewAll		

BI884
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE3000000008266**

Permit #:	204946	Local Well ID:	0
Well Type:	Observation - Standard	Well Status:	Active
Est Construction Date:	Not Reported	Est Max Capacity:	0
Tax ID:	26-044.00-023	Septic Permit #:	Not Reported
Well Authorization Code:	Not Reported	Proposed Drill Method:	Unknown
Completion Report Date:	Not Reported	Pump:	Not Reported
Application Received:	22-OCT-04	Construction Review Date:	22-OCT-04
Permit Approval Date:	22-OCT-04	Est Daily Use:	0
Abandon Report Date:	Not Reported	Total Proposed Depth:	0
Actual Total Depth:	20	Min Well Diameter:	0
Max Well Diameter:	0	Well Terminus Inches:	24
Well Terminus Type:	None	Screen Top:	0
Screen Base:	0	Screen Material:	Not Reported
Inner Casing Base:	0	Inner Casing Top:	0
Inner Casing Material:	Not Reported	Grout Base:	0
Grout Top:	0	Grout Material:	Not Reported
Gravel Base:	0	Gravel Top:	0
Gravel Material:	Not Reported	Intake Settings:	0
Test Rate:	0	Rated Capacity:	0
Test Time:	0	Water Level:	0
Static Water Level:	0	Water Level Date:	Not Reported
Replaced Well Permit #:	Not Reported	How Abandoned:	Not Reported
License #:	4223	Well Contractor:	Northeast Regional Probing Inc
Watershed:	Brandywine Creek	Basin:	Piedmont
Potable:	No	Test Temp:	No
Groundwater Mgmt Zone:	No	Well Pit:	No
Replacement Well:	No	Alloc Review:	No
Require Alloc Permit:	NO	Sampled:	No
CPCN:	No	AG Preservation District:	No
Floodplain:	No	Small Lot:	No

Injection:	No	Potential Contam in Vicinity:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Retain Well:	0	Comments:	Not Reported
URL:	https://www.nav.dnrec.delaware.gov/DEN3/Detail/PermitDetail.aspx?id=60068663&Panel=ViewAll		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: DE Radon

Radon Test Results

Zipcode	Num Tests	< 4 pCi/L	4 - 10	10 - 20	> 20 pCi/L
19801	268	246	19	1	2

EPA Region 3 Statistical Summary Readings for Zip Code: 19801

Number of sites tested: 94.

Maximum Radon Level: 37.7 pCi/L.
Minimum Radon Level: 0.2 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
81 (86.17%)	11 (11.70%)	1 (1.06%)	1 (1.06%)	0 (0.00%)	0 (0.00%)

Federal EPA Radon Zone for NEW CASTLE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Statewide Wetlands Mapping Project
Source: Dept. of Natural Resources & Environmental Conservation
Telephone: 302-739-4691

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Delaware Water Well Data
Source: Department of Natural Resources and Environmental Conservation
Telephone: 302-739-4860

OTHER STATE DATABASE INFORMATION

RADON

State Database: DE Radon
Source: Division of Public Health
Telephone: 302-739-4731
Radon Screening Survey of Private Dwellings

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

EPA Region 3 Statistical Summary Readings
Source: Region 3 EPA
Telephone: 215-814-2082
Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX B

Wilmington Harbor North
1706 E 12th Street
Wilmington, DE 19801

Inquiry Number: 6778463.4
December 07, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

12/07/21

Site Name:	Client Name:
Wilmington Harbor North	Environmental Standards Inc.
1706 E 12th Street	1140 Valley Forge Road
Wilmington, DE 19801	Valley Forge, PA 19482
EDR Inquiry # 6778463.4	Contact: Joe Kraycik

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Environmental Standards Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	20219684.A000	**Latitude:**	39.724604 39° 43' 29" North
Project:	Wilmington Harbor North	**Longitude:**	-75.524063 -75° 31' 27" West
		UTM Zone:	Zone 18 North
		UTM X Meters:	455086.83
		UTM Y Meters:	4397322.96
		Elevation:	26.00' above sea level

Maps Provided:

2019	1919
2016	1906
2014	1904
1995, 1997	
1993	
1967	
1948, 1951	
1942	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2019 Source Sheets



Wilmington South
2019
7.5-minute, 24000



Penns Grove
2019
7.5-minute, 24000

2016 Source Sheets



Wilmington South
2016
7.5-minute, 24000



Penns Grove
2016
7.5-minute, 24000

2014 Source Sheets



Wilmington South
2014
7.5-minute, 24000



Penns Grove
2014
7.5-minute, 24000

1995, 1997 Source Sheets



Penns Grove
1995
7.5-minute, 24000
Aerial Photo Revised 1990



Wilmington South
1997
7.5-minute, 24000
Aerial Photo Revised 1989

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1993 Source Sheets



Wilmington South
1993
7.5-minute, 24000
Aerial Photo Revised 1989



Penns Grove
1993
7.5-minute, 24000
Aerial Photo Revised 1990

1967 Source Sheets



Wilmington South
1967
7.5-minute, 24000
Aerial Photo Revised 1965



Penns Grove
1967
7.5-minute, 24000
Aerial Photo Revised 1965

1948, 1951 Source Sheets



Wilmington South
1948
7.5-minute, 24000
Aerial Photo Revised 1946



Penns Grove
1951
7.5-minute, 24000
Aerial Photo Revised 1946

1942 Source Sheets



WILMINGTON AND VICINITY
1942
7.5-minute, 31680

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1919 Source Sheets



Wilmington
1919
15-minute, 62500

1906 Source Sheets



Wilmington
1906
15-minute, 62500

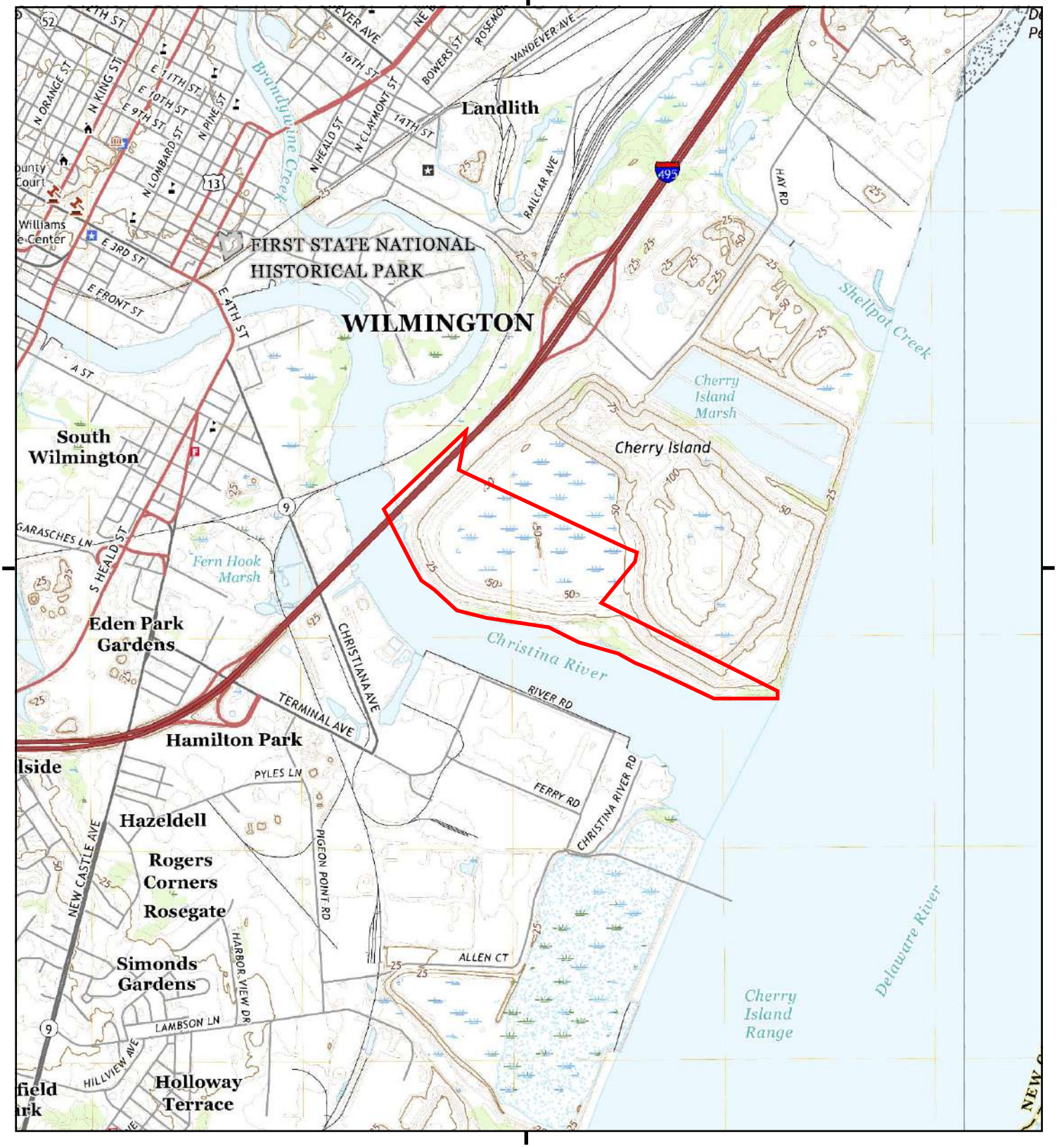
1904 Source Sheets



Wilmington
1904
15-minute, 62500

Historical Topo Map

2019



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

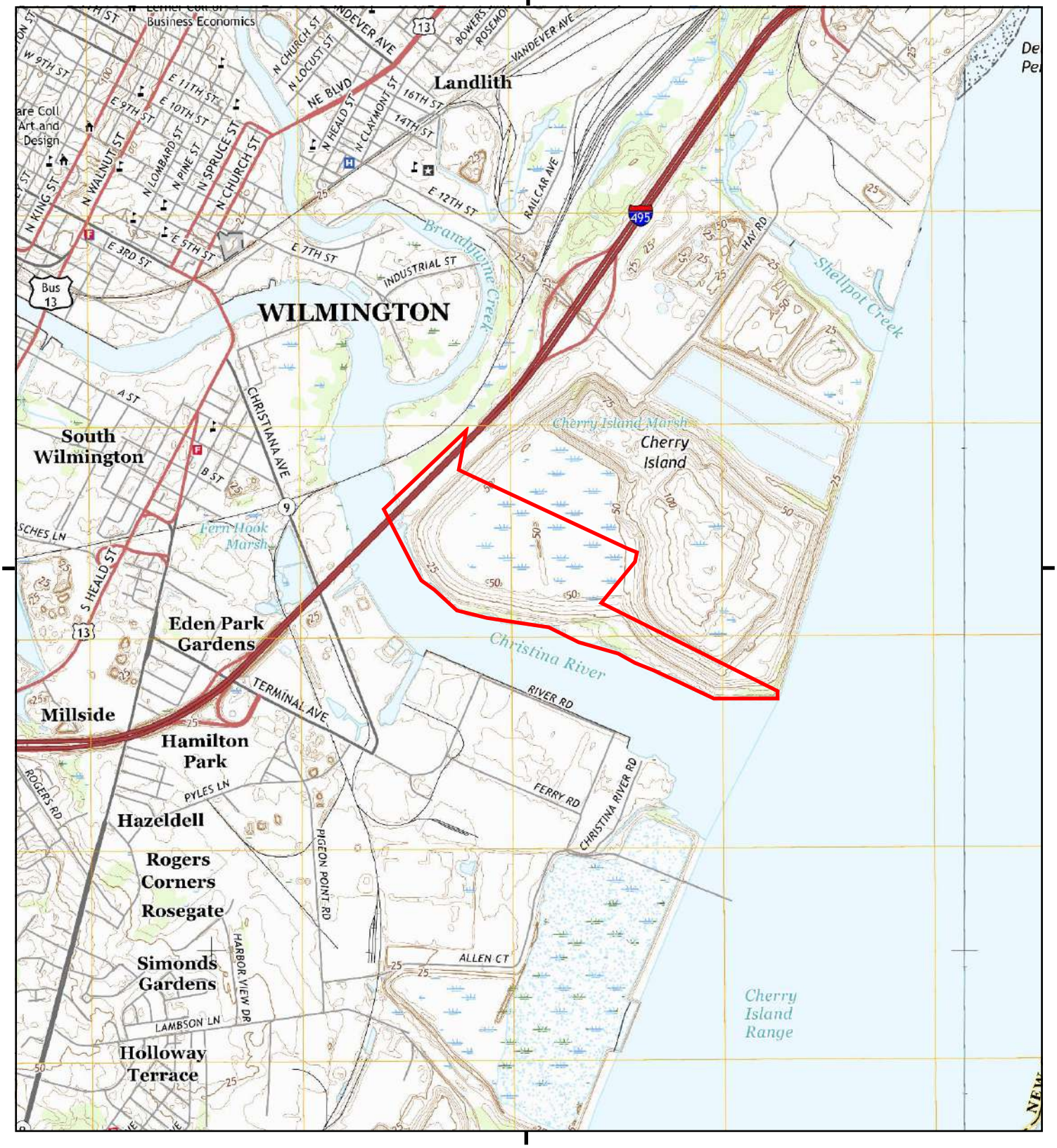
TP, Wilmington South, 2019, 7.5-minute
SE, Penns Grove, 2019, 7.5-minute

SITE NAME: Wilmington Harbor North
ADDRESS: 1706 E 12th Street
Wilmington, DE 19801
CLIENT: Environmental Standards Inc.

N

Historical Topo Map

2016



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

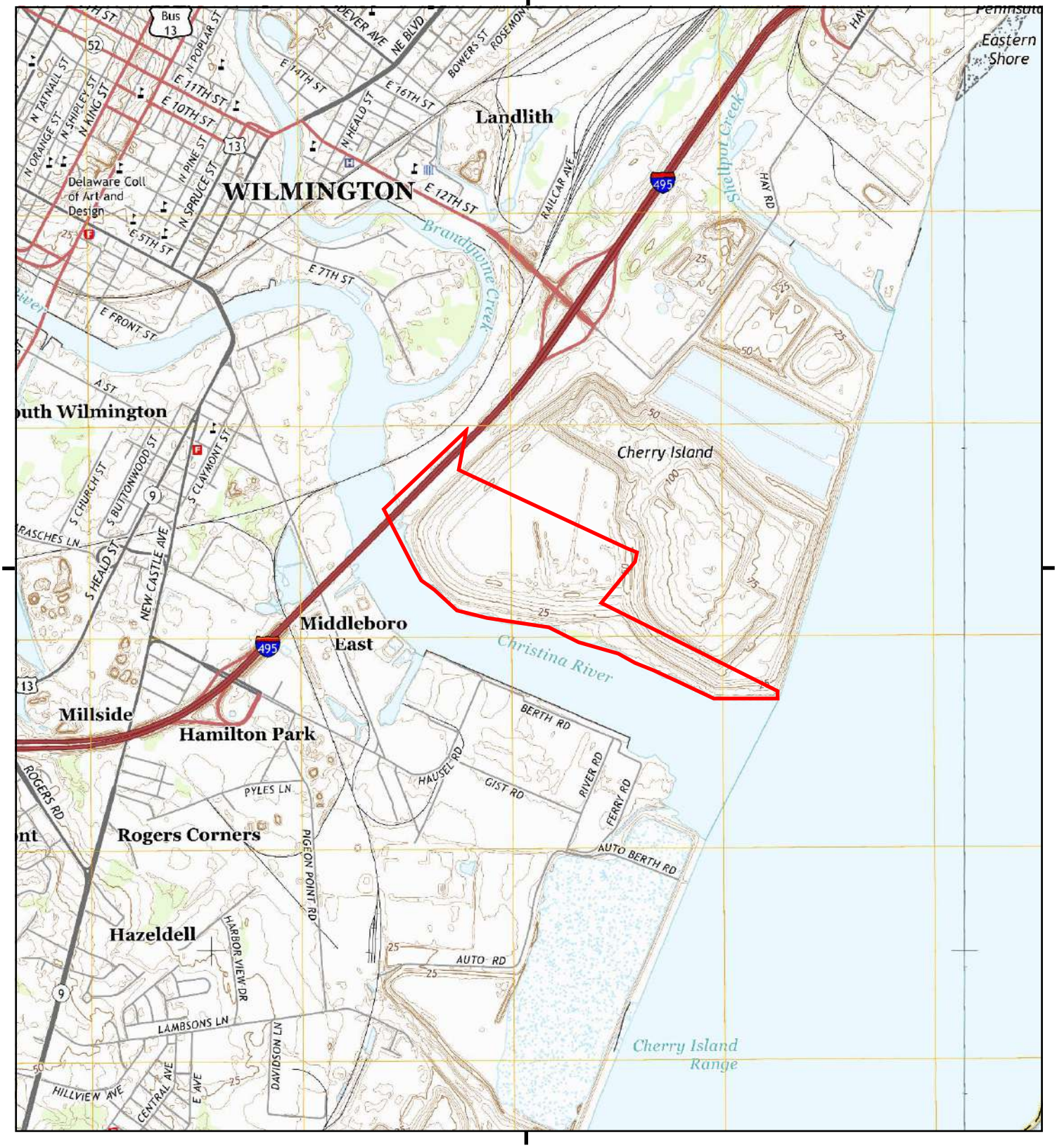
TP, Wilmington South, 2016, 7.5-minute
SE, Penns Grove, 2016, 7.5-minute

SITE NAME: Wilmington Harbor North
ADDRESS: 1706 E 12th Street
Wilmington, DE 19801
CLIENT: Environmental Standards Inc.

N

Historical Topo Map

2014



This report includes information from the following map sheet(s).

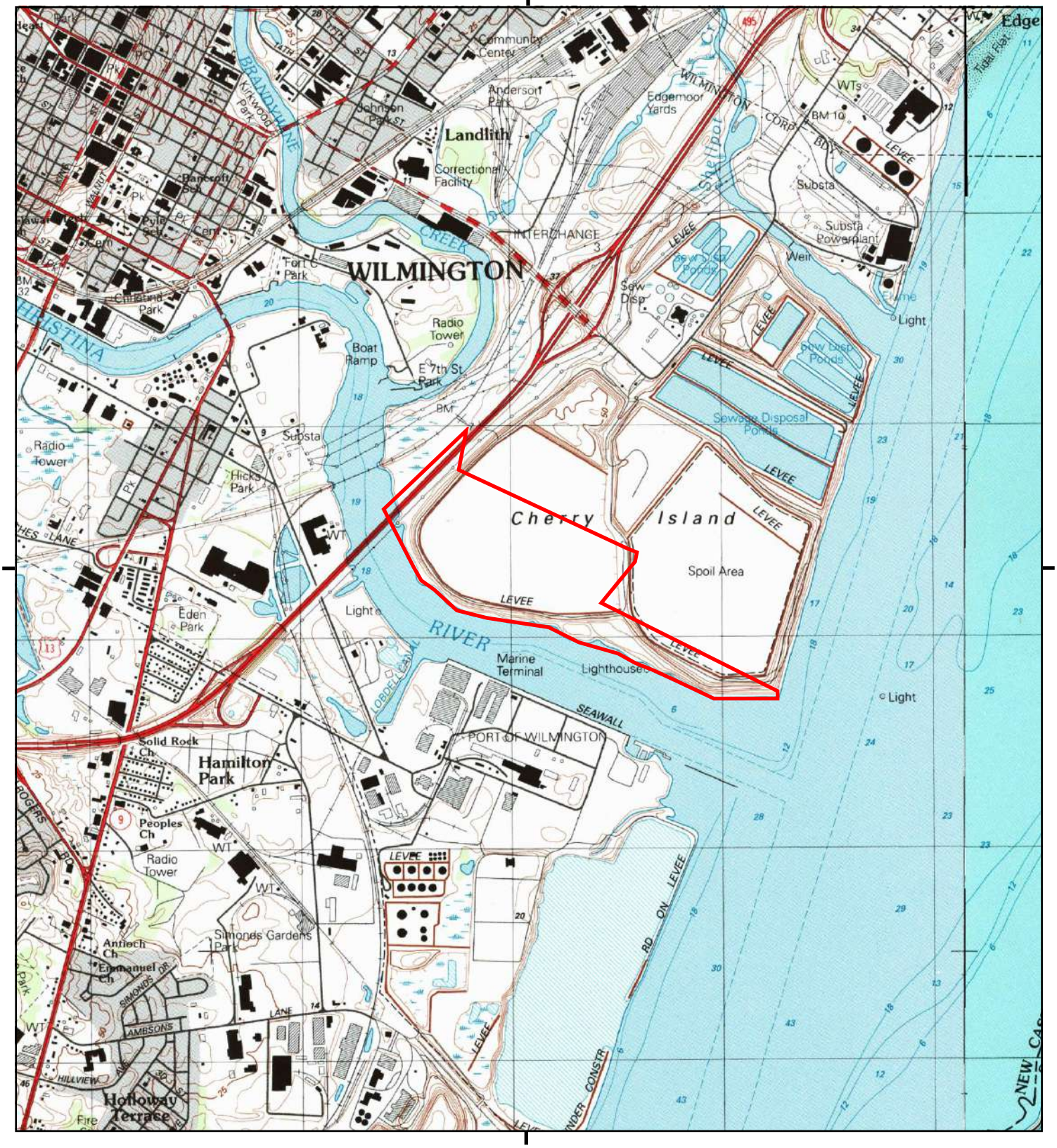
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Wilmington South, 2014, 7.5-minute
SE, Penns Grove, 2014, 7.5-minute

SITE NAME: Wilmington Harbor North
ADDRESS: 1706 E 12th Street
Wilmington, DE 19801
CLIENT: Environmental Standards Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

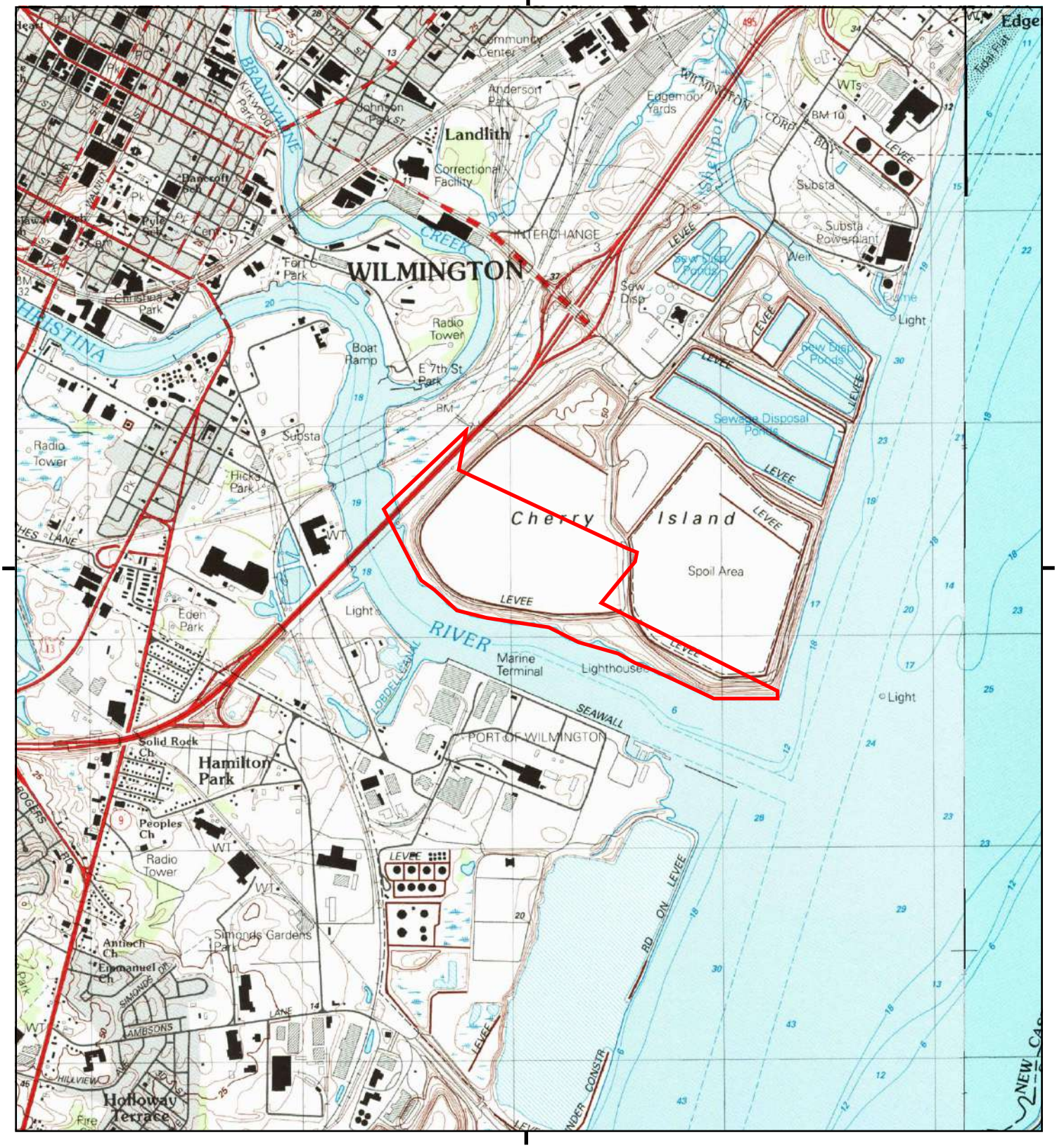
TP, Wilmington South, 1997, 7.5-minute
SE, Penns Grove, 1995, 7.5-minute

SITE NAME: Wilmington Harbor North
ADDRESS: 1706 E 12th Street
Wilmington, DE 19801
CLIENT: Environmental Standards Inc.

N

Historical Topo Map

1993



This report includes information from the following map sheet(s).

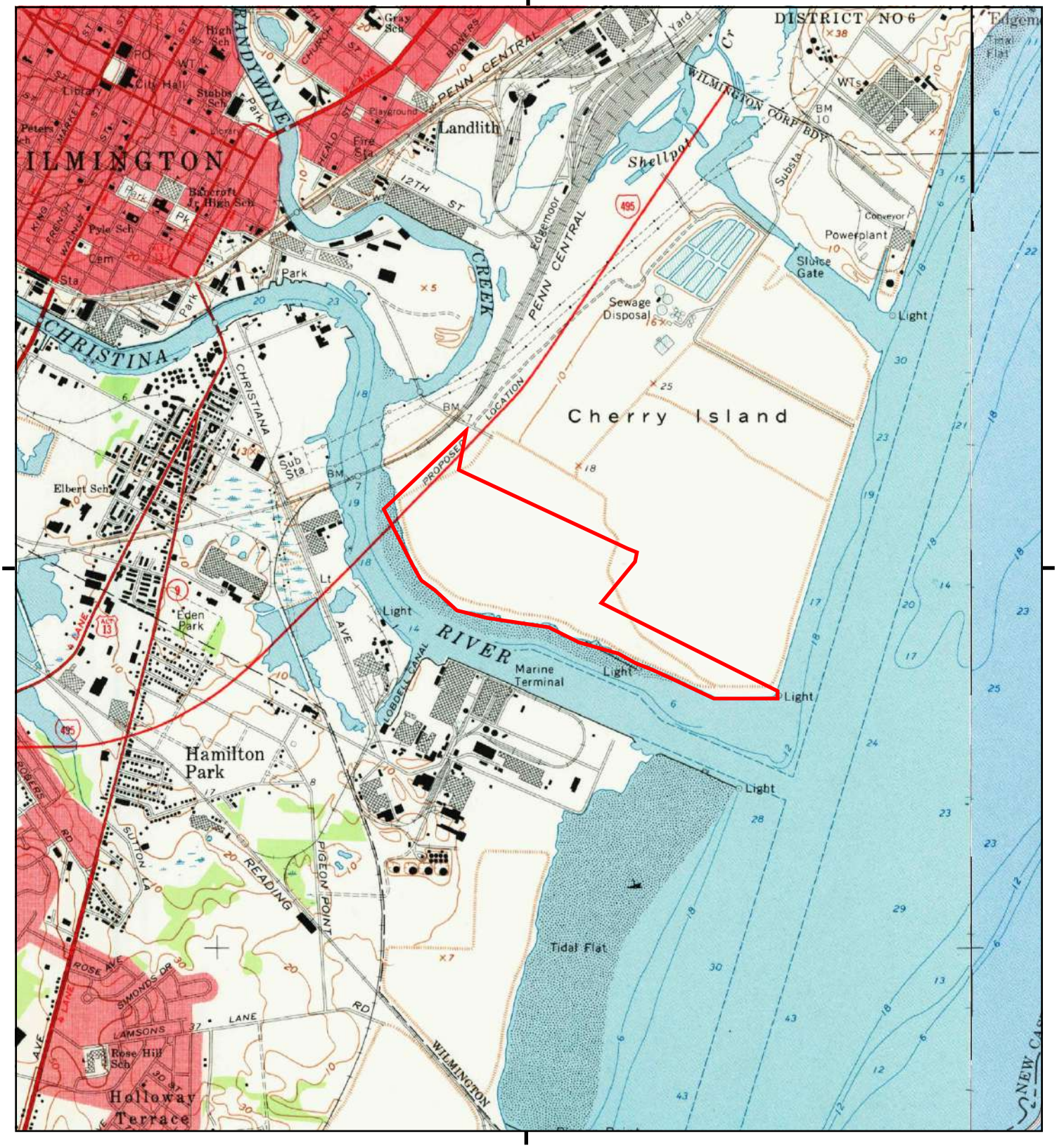
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Wilmington South, 1993, 7.5-minute
SE, Penns Grove, 1993, 7.5-minute

SITE NAME: Wilmington Harbor North
ADDRESS: 1706 E 12th Street
Wilmington, DE 19801
CLIENT: Environmental Standards Inc.

N



This report includes information from the following map sheet(s).

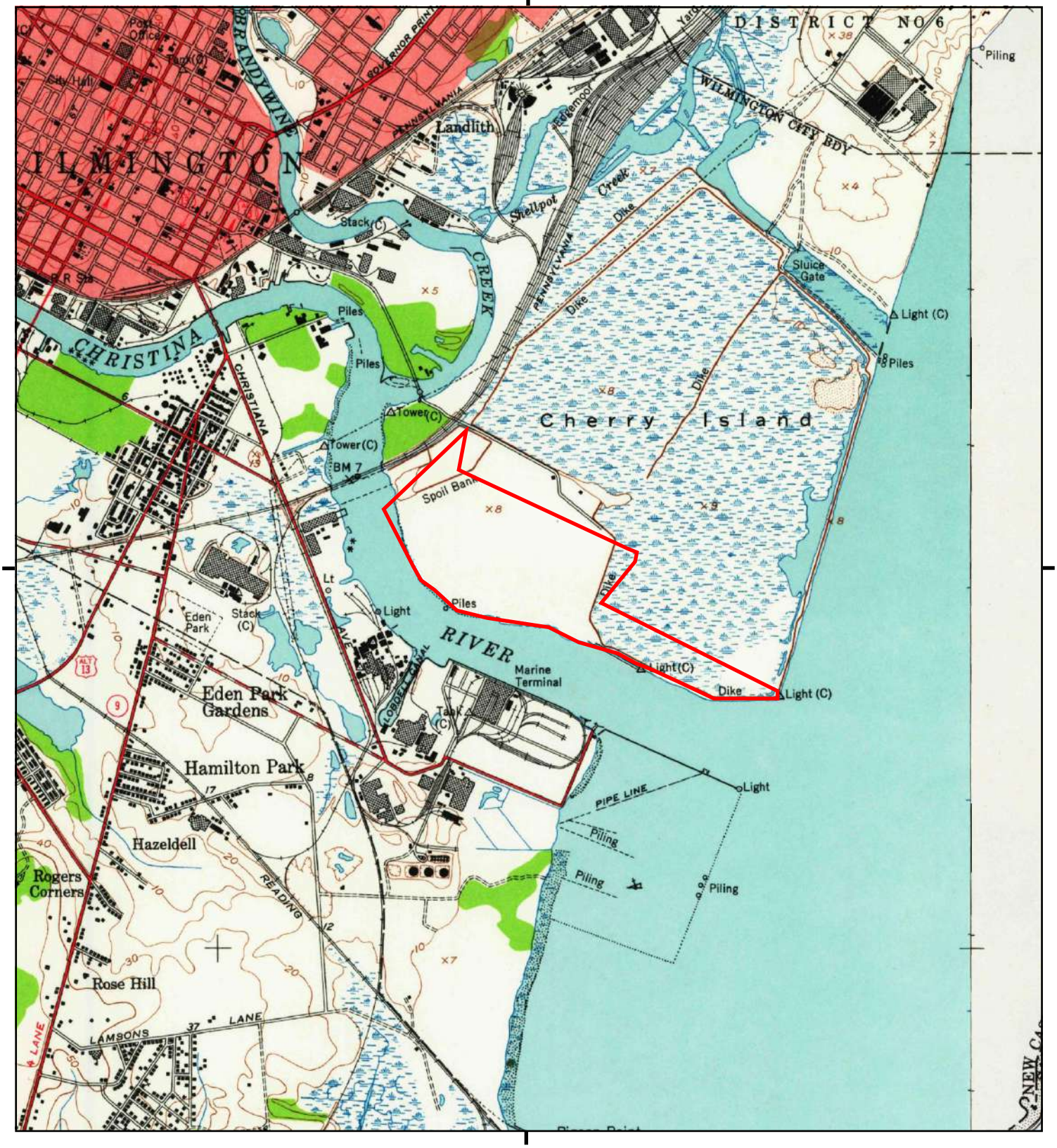
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Wilmington South, 1967, 7.5-minute
SE, Penns Grove, 1967, 7.5-minute

SITE NAME: Wilmington Harbor North
ADDRESS: 1706 E 12th Street
Wilmington, DE 19801
CLIENT: Environmental Standards Inc.

N



This report includes information from the following map sheet(s).

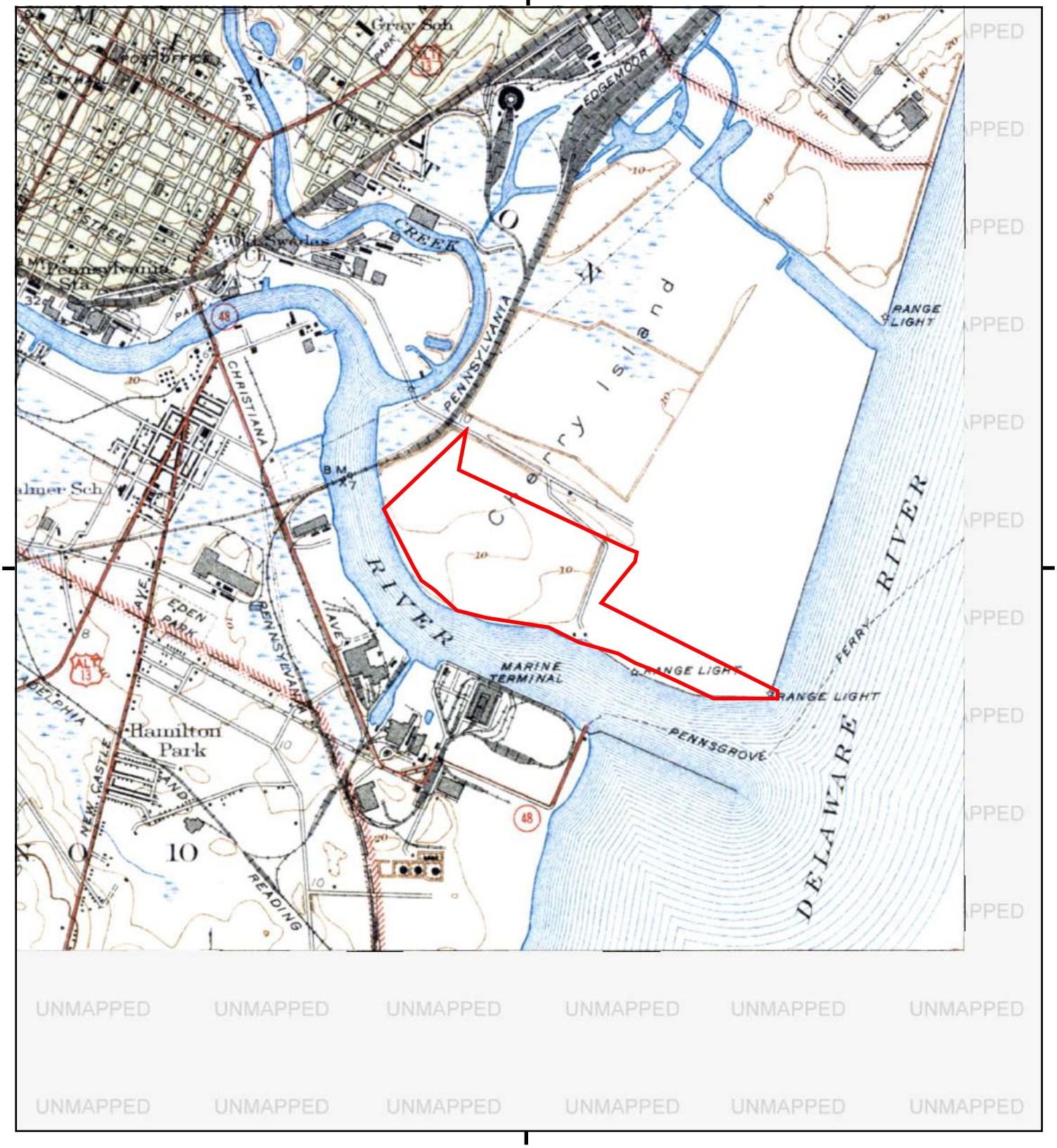
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Wilmington South, 1948, 7.5-minute
SE, Penns Grove, 1951, 7.5-minute

SITE NAME: Wilmington Harbor North
ADDRESS: 1706 E 12th Street
Wilmington, DE 19801
CLIENT: Environmental Standards Inc.

N



This report includes information from the following map sheet(s).

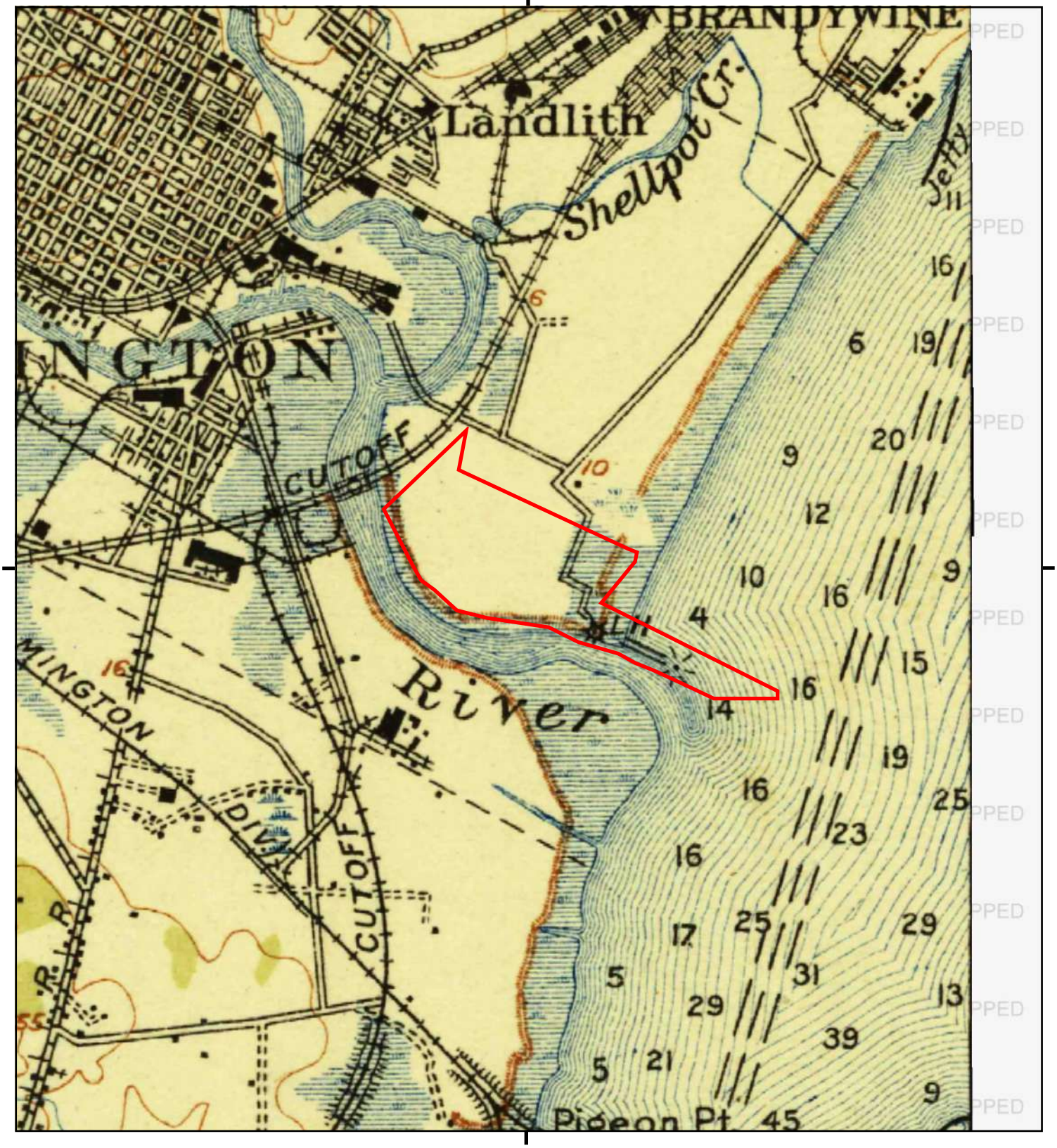
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, WILMINGTON AND VICINITY, 1942, 7.5-minute

SITE NAME: Wilmington Harbor North
ADDRESS: 1706 E 12th Street
Wilmington, DE 19801
CLIENT: Environmental Standards Inc.

N



This report includes information from the following map sheet(s).

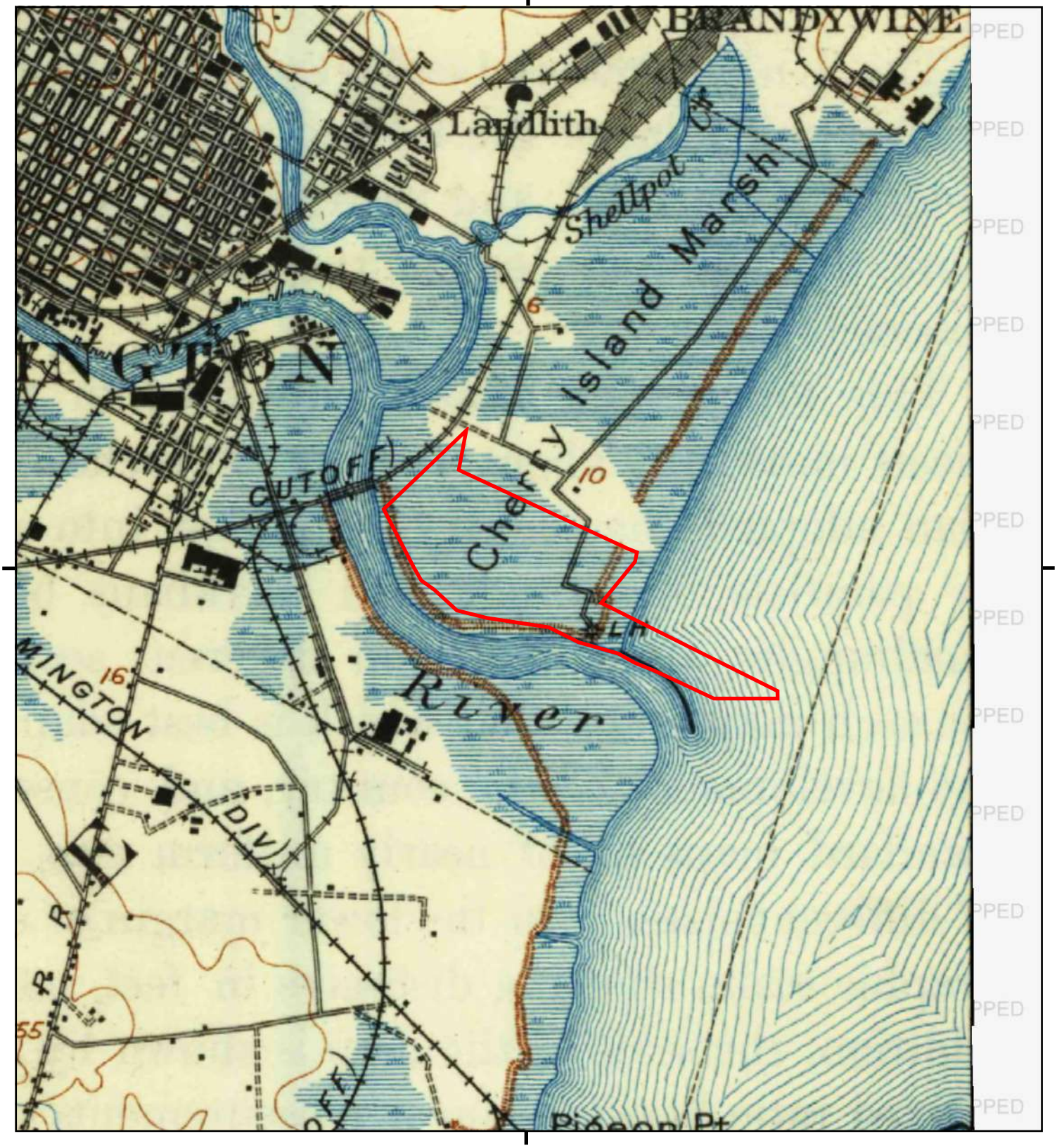
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Wilmington, 1919, 15-minute

SITE NAME: Wilmington Harbor North
ADDRESS: 1706 E 12th Street
Wilmington, DE 19801
CLIENT: Environmental Standards Inc.

N



This report includes information from the following map sheet(s).

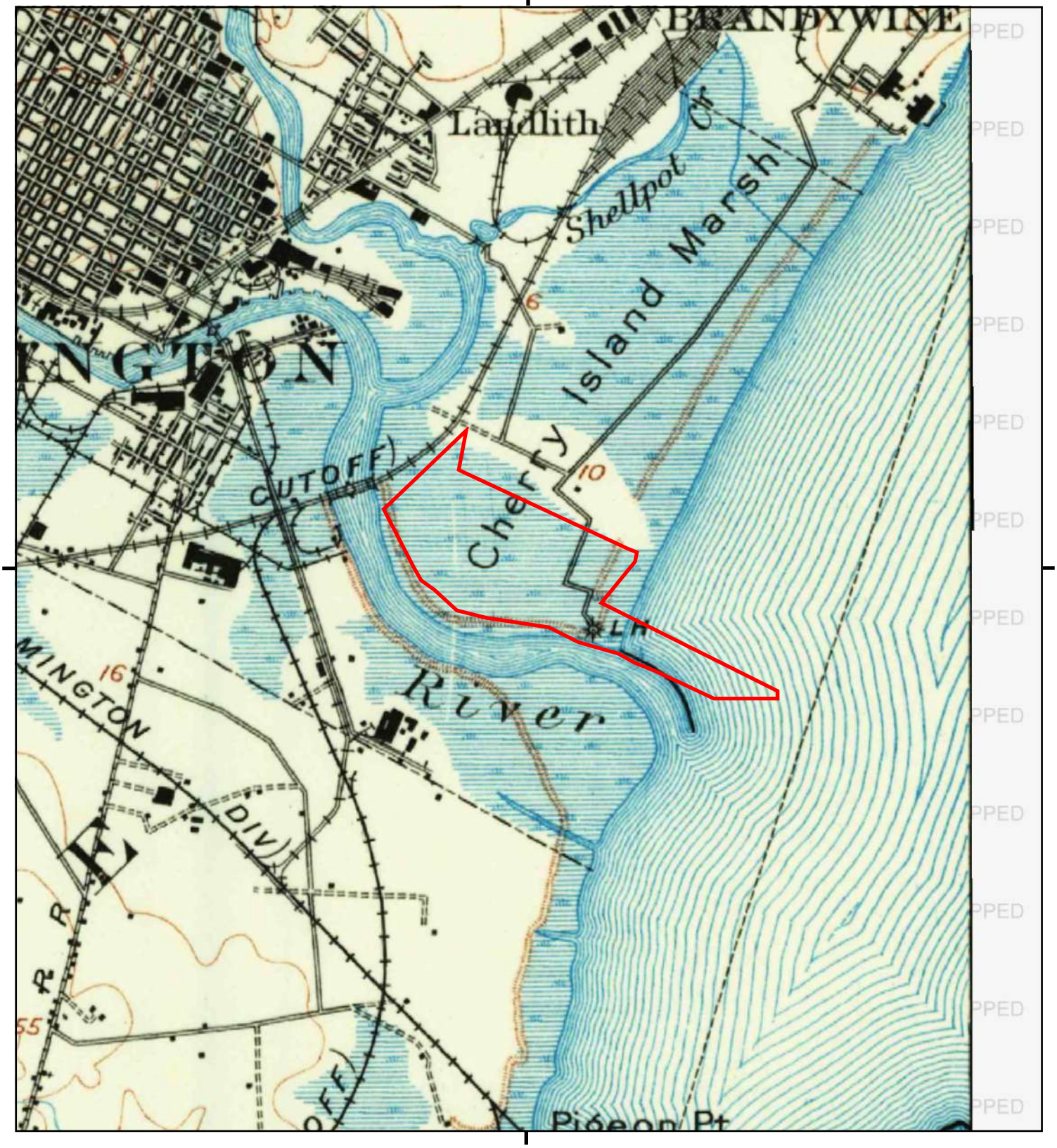
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Wilmington, 1906, 15-minute

SITE NAME: Wilmington Harbor North
ADDRESS: 1706 E 12th Street
Wilmington, DE 19801
CLIENT: Environmental Standards Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Wilmington, 1904, 15-minute

SITE NAME: Wilmington Harbor North
ADDRESS: 1706 E 12th Street
Wilmington, DE 19801
CLIENT: Environmental Standards Inc.

N

APPENDIX C

Wilmington Harbor North

1706 E 12th Street

Wilmington, DE 19801

Inquiry Number: 6778463.8

December 08, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

12/08/21

Site Name:

Wilmington Harbor North
1706 E 12th Street
Wilmington, DE 19801
EDR Inquiry # 6778463.8

Client Name:

Environmental Standards Inc.
1140 Valley Forge Road
Valley Forge, PA 19482
Contact: Joe Kraycik

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2017	1"=875'	Flight Year: 2017	USDA/NAIP
2013	1"=875'	Flight Year: 2013	USDA/NAIP
2010	1"=875'	Flight Year: 2010	USDA/NAIP
2006	1"=875'	Flight Year: 2006	USDA/NAIP
1998	1"=875'	Flight Date: February 26, 1998	USGS
1997	1"=875'	Acquisition Date: January 01, 1997	USGS/DOQQ
1992	1"=875'	Acquisition Date: January 01, 1992	USGS/DOQQ
1991	1"=875'	Acquisition Date: January 01, 1991	USGS/DOQQ
1982	1"=875'	Flight Date: March 28, 1982	NHAP
1974	1"=875'	Flight Date: March 13, 1974	EDR Proprietary Aerial Viewpoint
1970	1"=875'	Flight Date: February 22, 1970	USGS
1965	1"=875'	Flight Date: May 13, 1965	EDR Proprietary Aerial Viewpoint
1962	1"=875'	Flight Date: March 01, 1962	EDR Proprietary Aerial Viewpoint
1954	1"=875'	Flight Date: July 12, 1954	USDA
1940	1"=875'	Flight Date: March 11, 1940	EDR Proprietary Aerial Viewpoint

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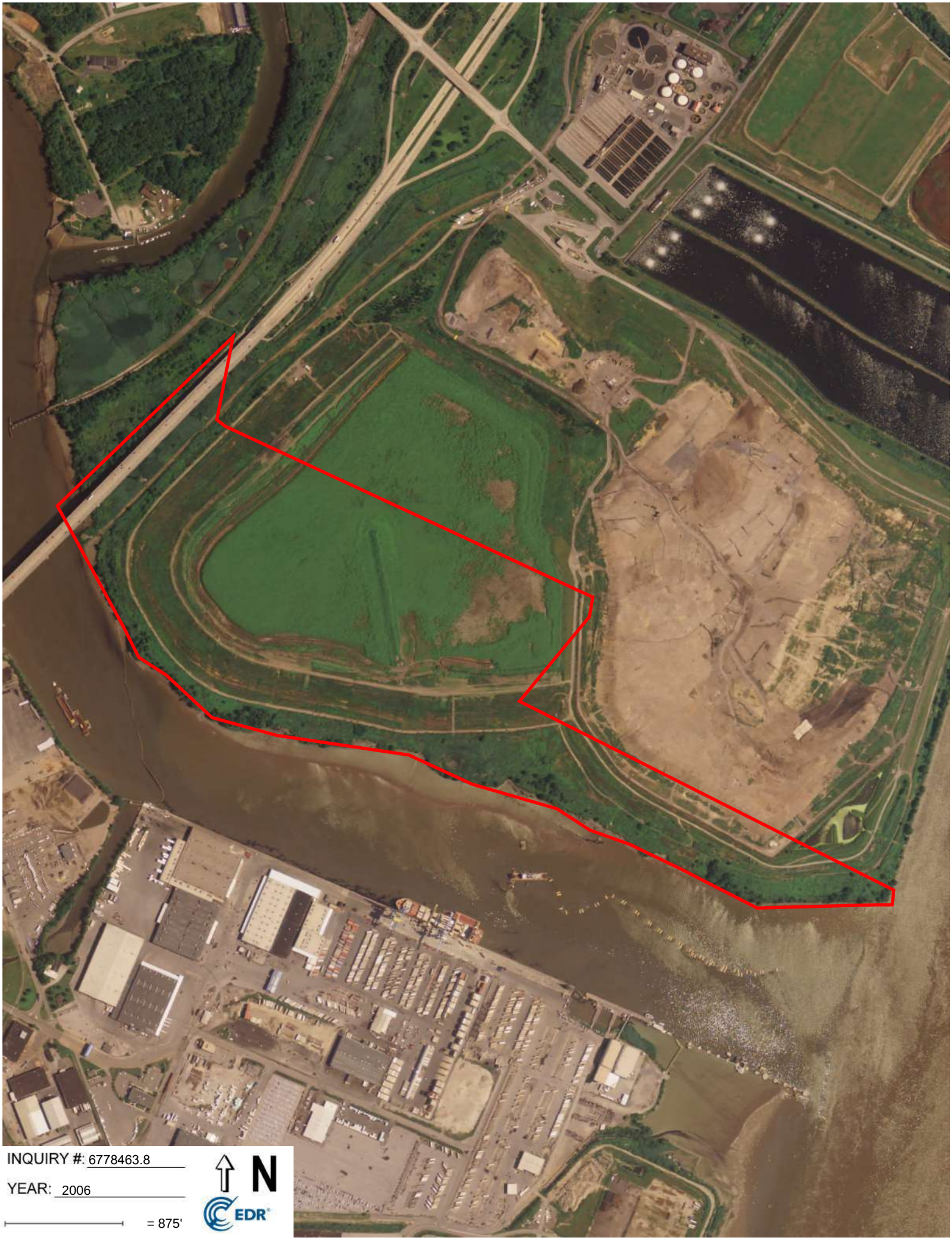
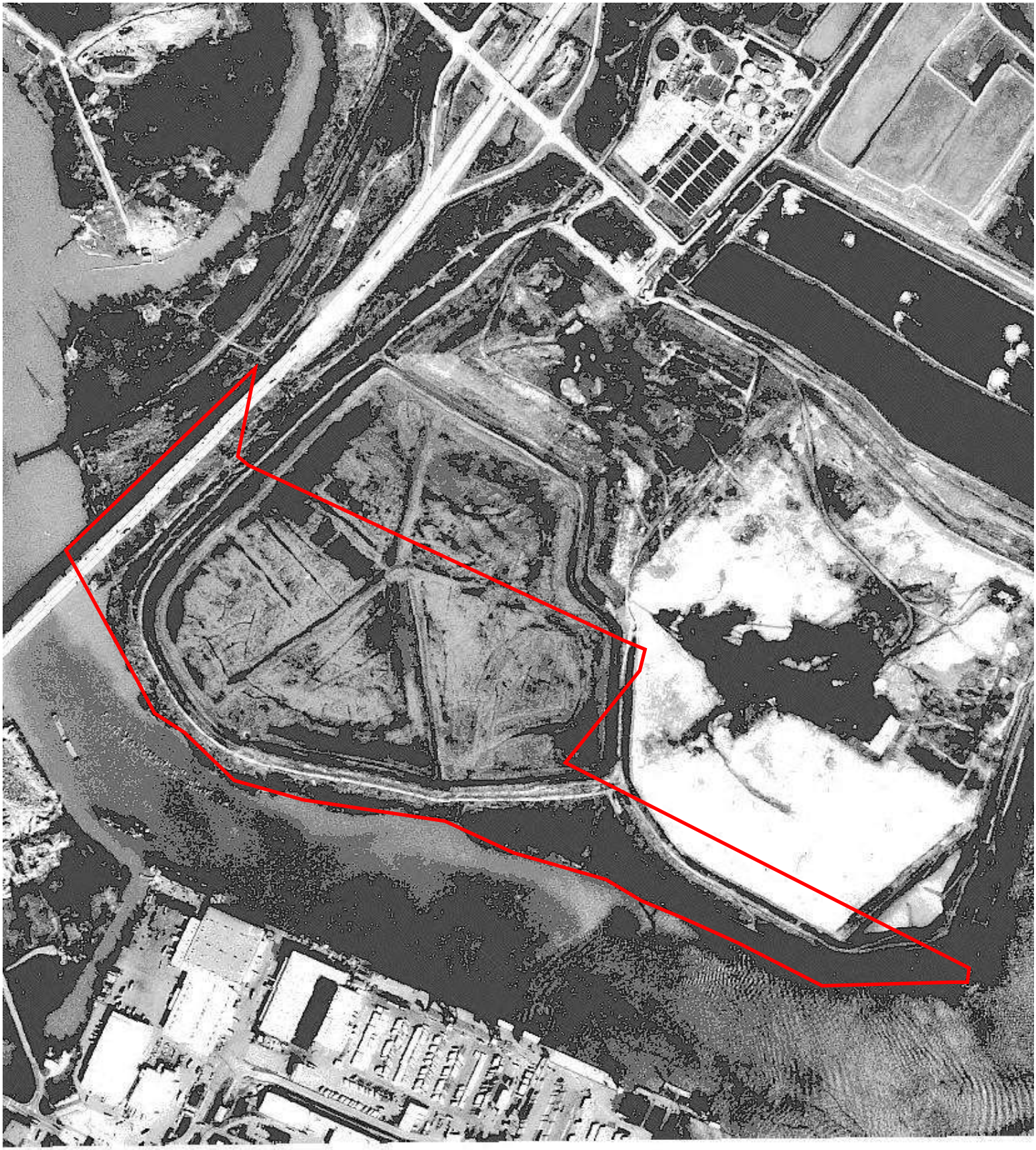
INQUIRY #: 6778463.8
YEAR: 2017
= 875'
N
EDR


INQUIRY #: 6778463.8
YEAR: 2013
= 875'
N
EDR


INQUIRY #: 6778463.8
YEAR: 2010
= 875'
N
EDR


INQUIRY #: 6778463.8
YEAR: 2006
= 875'
N
EDR



INQUIRY #: 6778463.8

YEAR: 1998

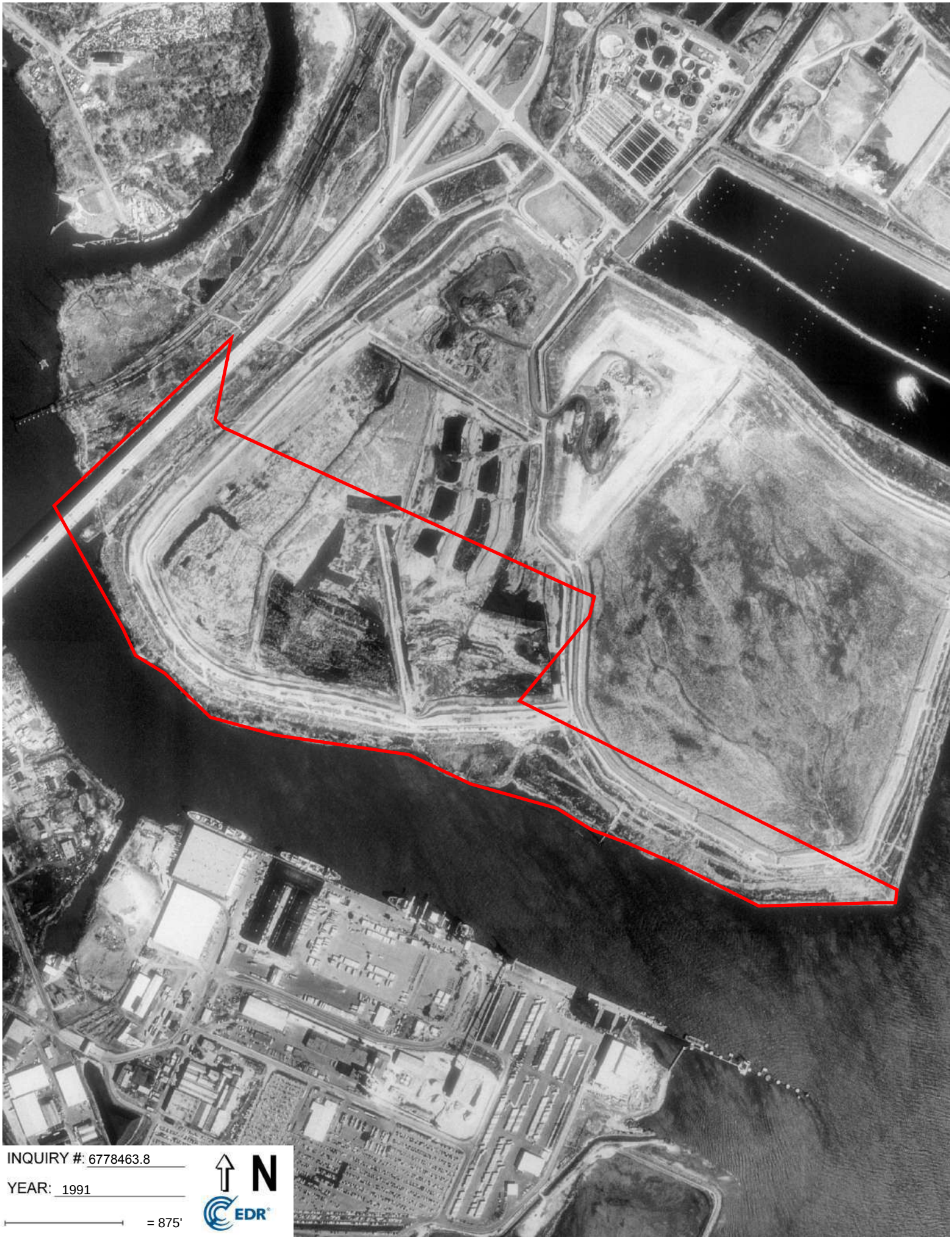
= 875'

N

EDR


INQUIRY #: 6778463.8
YEAR: 1997
= 875'
N
EDR


INQUIRY #: 6778463.8
YEAR: 1992
= 875'
N
EDR



INQUIRY #: 6778463.8

YEAR: 1991

= 875'

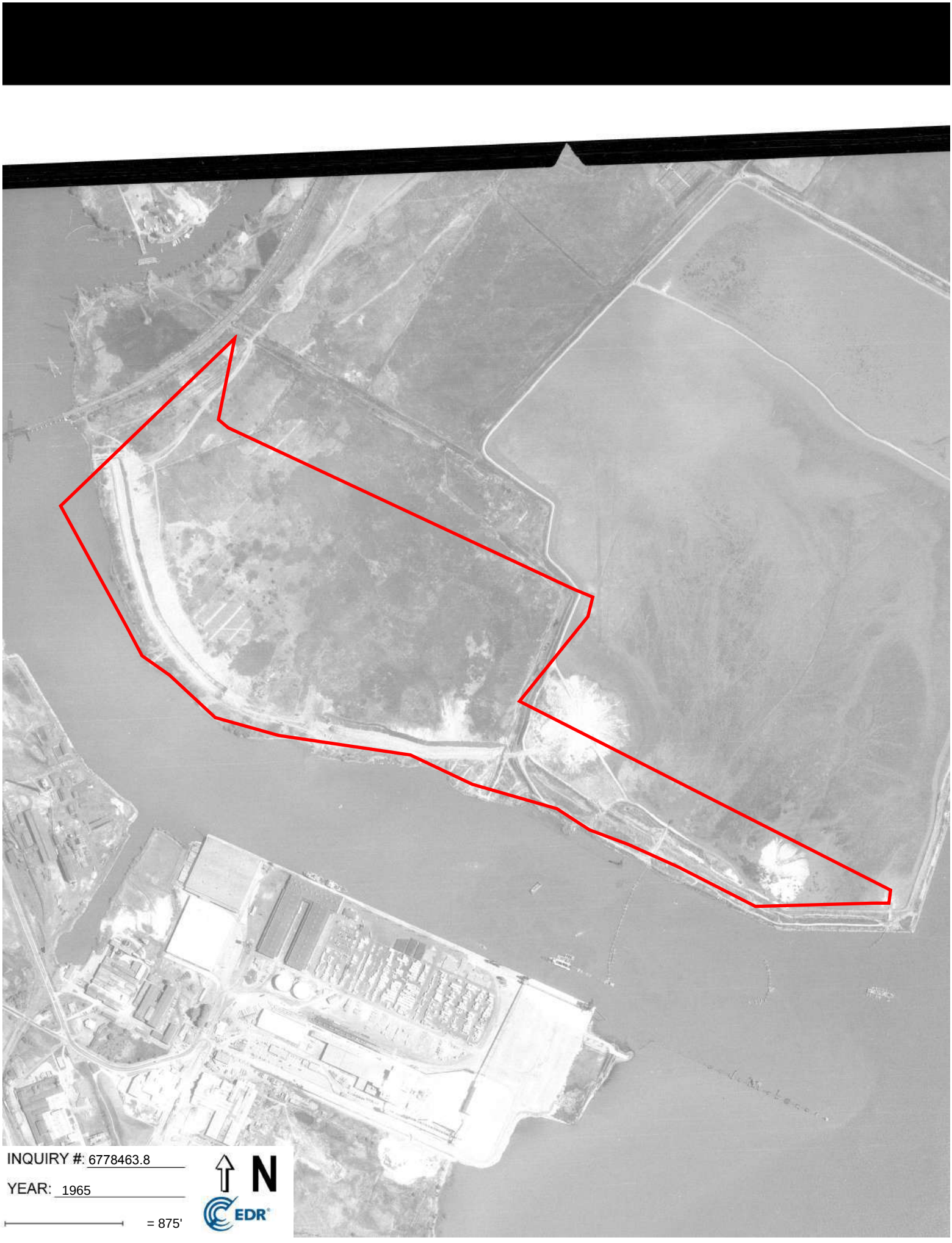
N

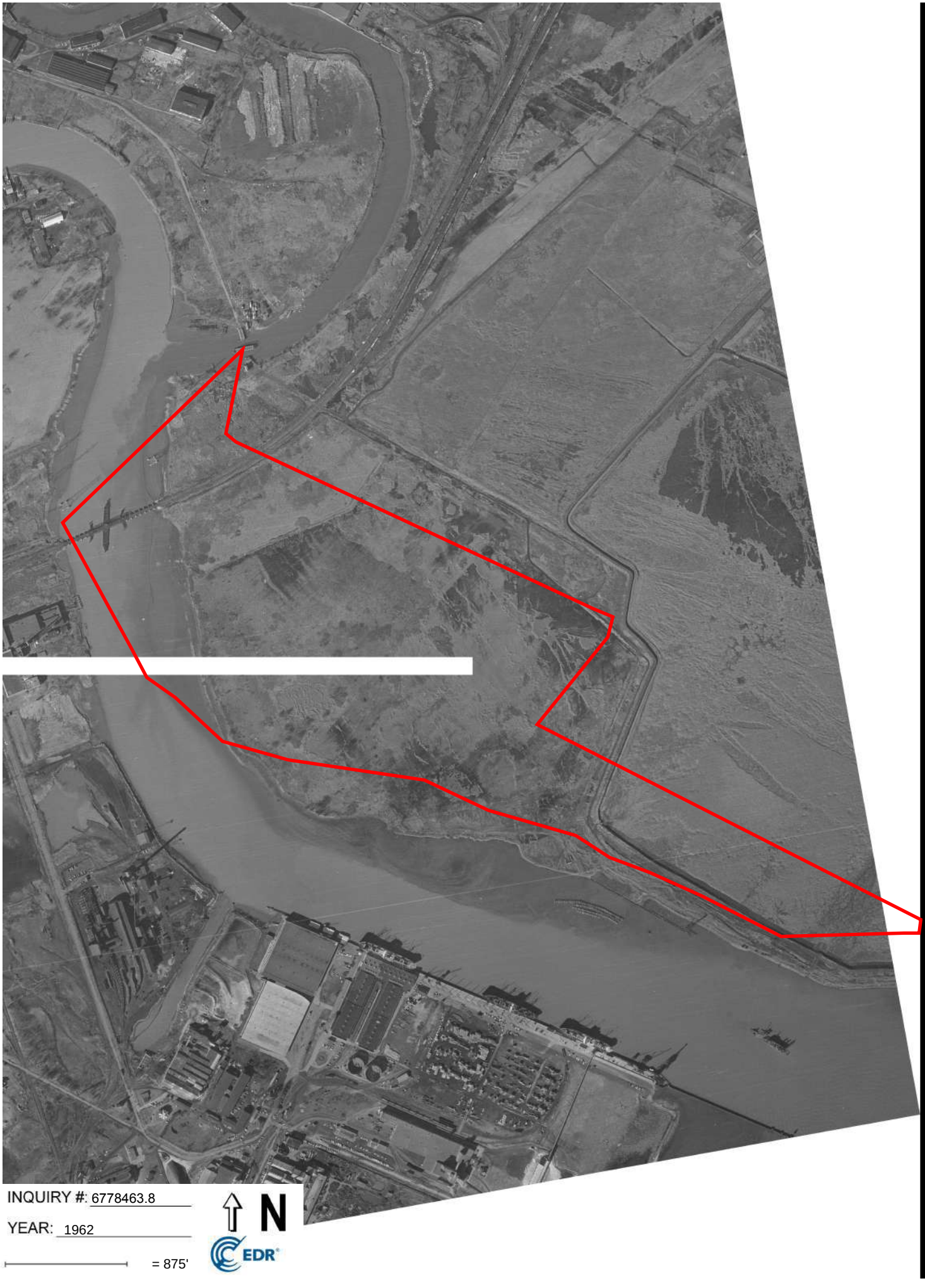
EDR


INQUIRY #: 6778463.8
YEAR: 1982
= 875'
N
EDR


INQUIRY #: 6778463.8
YEAR: 1974
= 875'
N
EDR


INQUIRY #: 6778463.8
YEAR: 1970
= 875'
N
EDR


INQUIRY #: 6778463.8
YEAR: 1965
= 875'
N
EDR



INQUIRY #: 6778463.8

YEAR: 1962

= 875'

N

EDR


INQUIRY #: 6778463.8
YEAR: 1954
= 875'
N
EDR


INQUIRY #: 6778463.8
YEAR: 1940
= 875'
N
EDR

APPENDIX D

Wilmington Harbor North
1706 E 12th Street
Wilmington, DE 19801

Inquiry Number: 6778463.3
December 07, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/07/21

Site Name:

Wilmington Harbor North
1706 E 12th Street
Wilmington, DE 19801
EDR Inquiry # 6778463.3

Client Name:

Environmental Standards Inc.
1140 Valley Forge Road
Valley Forge, PA 19482
Contact: Joe Kraycik

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 047A-4172-82E6

PO # 20219684.A000

Project Wilmington Harbor North

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 047A-4172-82E6

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX E

Wilmington Harbor North
1706 E 12th Street
Wilmington, DE 19801

Inquiry Number: 6778463.5
December 30, 2021

The EDR-City Directory Image Report

Environmental Data Resources Inc
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1983	☐	☐	Polk's City Directory
1978	☐	☐	Polk's City Directory
1973	☐	☐	Polk's City Directory
1968	☐	☐	Polk's City Directory
1964	☐	☐	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

1706 E 12th Street
Wilmington, DE 19801

Year	*CD Image*	*Source*	
E 12TH ST			
2017	pg A1	EDR Digital Archive	
2014	pg A2	EDR Digital Archive	
2010	pg A3	EDR Digital Archive	
2005	pg A4	EDR Digital Archive	
2000	pg A5	EDR Digital Archive	
1995	pg A6	EDR Digital Archive	
1992	pg A7	EDR Digital Archive	
1983	-	Polk's City Directory	Target and Adjoining not listed in Source
1978	-	Polk's City Directory	Target and Adjoining not listed in Source
1973	-	Polk's City Directory	Target and Adjoining not listed in Source
1968	-	Polk's City Directory	Target and Adjoining not listed in Source
1964	-	Polk's City Directory	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 12TH ST 2017

1302 EQUIPMENT CLEARING HOUSE LLC
1318 A TO Z AUTO
BRANDYWINE TREE & SHRUB
CELDE NHP
CHEMICAL EQUIPMENT LABS OF DELAWARE
GRASS ROOTS RAIN MAKER IRRIGATION
RITTENHOUSE INDUSTRIAL PARK
SURPLUS OFFICE FURNITURE LLC
1675 VEOLIA ENVIRONMENTAL SERVICES
1706 CUMMINS POWER GENERATION

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 12TH ST 2014

1301	DELAWARE STATE OF DEPARTMENT OF CORR
1302	EQUIPMENT CLEARING HOUSE LLC
1318	A TO Z AUTO
	FAMILY AUTO REPAIRSALES
	MBNA SURPLUS
	RITTENHOUSE INDUSTRIAL PARK
1706	CUMMINS POWER GENERATION

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 12TH ST 2010

1301	BARBER KEVIN DO
	BINKLEY JEAN L
	CICONTE JOSEPH A DDS
	CMS INC
	DELAWARE DEPT OF CORRECTN
	DESROSIERS LOUISE MD
	GOPALAKRISHNAN RAMAN MD
	PUBLIC DEFENDER
	THORPE MELODY A
	YOSLOV MICHAEL DO
1302	MOWBRAY, MARVIN
1318	BARCZAK, BERNARD
	DELCHEM INC
	GRASS ROOTS RAIN MAKER IRRGTN
	MBNA SURPLUS
	RITTENHOUSE INDUSTRIAL PARK
	ROLLER SERVICE CORP
1340	OCCUPANT UNKNOWN,
1391	COLAMAIO, DANNY F
1706	CHERRY ISLAND LANDFILL
	GREGGO & FERRARA INC
	SEVENSON ENVIRONMENTAL SVC INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 12TH ST 2005

1301	CIVIGENICS INC
	GANDER HILL M PC J F
1302	MOWBRAY, MARVIN
1318	DEL CHEM INC
	DELCHEM INC
	ROLLER SERVICE CORP
1330	WERNER CO
1380	BROTHERS & SISTERS AUTO CLEANERS
1391	COLAMAIO, DANNY F
1706	CEREZA ENERGY INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 12TH ST 2000

1301	BURNS, SPUD M
	DELAWARE STATE OF CORRECTION DEPARTMENT
	DELAWARE STATE OF JUSTICE OF THE PEACE COURT
	DELAWARE STATE OF JUSTICE OF THE PEACE COURTS
	JUSTICE OF THE PEACE COURT CRIMINAL COURTS
1318	ABHE & SVOBODA
	ADVANCED WASTE SERVICES
	BROTHERS & SISTERS AUTO CLE
	DELCHEM INCORPORATED
	EXPORT AUTO CENTER INCORPORATED
	KHOURY, GEORGE
	ROLLER SERVICE CORPORATION
	TRI STATE SALES INCORPORATED
1330	ASSET RECOVERY SERVICES
	ASSET RECOVERY SERVICES LLC
	CSC METAL PROCESSING INCORPORATED
	METCO EQUIPMENT COMPANY
	TAFT
1706	GEORGE & LYNCH

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 12TH ST 1995

1301	CLASSIFICATION
	CRIMINAL FACILITY
	FOOD SERVICES
	JUSTICE OF THE PEACE
	MAINTENANCE
	PRE-TRIAL SVCS
	RECORDS
	WARDEN'S OFC
	YOUNG, ERIC
1318	DELCHEM INC
	EXPORT AUTO CTR INC
	GEM AUTO SERVICE
	PTFE COMPOUNDS INC
	ROLLER SERVICE CORP
	TODAYS WORLD INC
1330	CSC METAL PROCESSING
	METCO EQUIPMENT CO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 12TH ST 1992

1301	CLASSIFICATION
	FOOD SERVICES
	GENERAL INF
	MAINTENANCE
	PRE-TRIAL SVCS
	RECORDS
	ST CORRECTION DEPT INSTITUTION
	ST J OF P COURT #18
	WARDEN'S OFC
1318	ROLLER SERVICE CORP
	SURPLUS ASSET SALES

APPENDIX F

Wilmington Harbor North
1706 E 12th Street
Wilmington, DE 19801

Inquiry Number: 6778463.2s
February 14, 2022

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

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Shelton, CT 06484
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www.edrnet.com

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Primary Map	**2**
Secondary Map	**3**
Map Findings	**4**
Record Sources and Currency	**GR-1**

Thank you for your business.
Please contact EDR at 1-800-352-0050
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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	1
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	1
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	1	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	1
Federal ERNS list	property	0	-	-
Lists of state- and tribal (Superfund) equivalent sites	1.0	0	0	0
Lists of state- and tribal hazardous waste facilities	1.0	0	0	5
Lists of state and tribal landfills and solid waste disposal facilities	0.5	1	0	0
Lists of state and tribal leaking storage tanks	0.5	0	0	0
Lists of state and tribal registered storage tanks	0.25	1	0	1
State and tribal institutional control / engineering control registries	0.5	0	0	1
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	2

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	5
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	property	0	-	-
Local Lists of Registered Storage Tanks	not searched	-	-	-
Local Land Records	property	0	-	-
Records of Emergency Release Reports	property	0	-	-
Other Ascertainable Records	1.0	9	0	3

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

WILMINGTON HARBOR NORTH
1706 E 12TH STREET
WILMINGTON, DE 19801

COORDINATES

Latitude (North):	39.724604 - 39° 43′ 28.580017″
Longitude (West):	75.524063 - 75° 31′ 26.627197″
Elevation:	26 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site	Database(s)
GATE 2 PAVEMENT IMPROVEMENT AT THE CHERRY ISALND LANDFILL 1706 EAST 12TH STREET WILMINGTON, DE 19809	FINDS Registry ID:: 110054583107
PHASES I/II LANDFILL GAS HEADER CONSTRUCTION 1706 EAST 12TH STREET WILMINGTON, DE 19809	FINDS Registry ID:: 110054502560
DSWA NORTHERN SW MANAGEMENT CNTR (CHERRY ISLANDL) - 1706 E 1 1706 EAST 12TH STREET WILMINGTON, DE 19809	FINDS Registry ID:: 110054404257
CHERRY ISLAND RENEWABLE ENERGY, LLC 1706 EAST 12TH STREET WILMINGTON, DE 19809	AIRS Facility Id: 10705604 ENF UIC Permit Num: 5X26-07-07N
CHERRY ISLAND LANDFILL 1706 EAST 12TH STREET WILMINGTON, DE 19809	AST Facility Id: 10705604 Prog Id: 7-000481 Prog Id: 7-000482 Prog Id: 7-000537
DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND 1706 EAST 12TH STREET WILMINGTON, DE 19809	US AIRS EPA plant ID:: 110007354308 ICIS FRS ID:: 110007354308 FRS ID:: 110007354308 FRS ID:: 110007354308 FRS ID:: 110007354308 FRS ID:: 110007354308 FRS ID:: 110007354308

EXECUTIVE SUMMARY

Site	Database(s)
CHERRY ISLAND RENEWABLE ENERGY, LLC 1706 E 12TH STREET WILMINGTON, DE 19809	FINDS Registry ID:: 110054416280 ICIS FRS ID:: 110007354308
DSWA CHERRY ISLAND LANDFILL (NSWMC) 1706 EAST 12TH STREET WILMINGTON, DE 19809	FINDS Registry ID:: 110066946522 ECHO Registry ID: 110066946522 RCRA-VSQG EPA ID:: DEN201500028
DELAWARE SOLID WASTE AUTHORITY 1706 E 12TH ST WILMINGTON, DE 19809	TIER 2 Facility Id: Facility Status: SWF/LF Facility Id: 10705604
DE SOLID WASTE AUTHORITY, CHERRY ISLAND 1706 E 12TH STREET WILMINGTON, DE 19809	FINDS Registry ID:: 110007354308 ECHO Registry ID: 110007354308

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
HALBY CHEMICAL CO. CONSENT: CONSENT US INST CONTROLS: US INST CONTROLS US ENG CONTROLS: US ENG CONTROLS ROD: ROD SEMS: SEMS NPL: NPL PRP: PRP UST: UST	600 TERMINAL AVE	1/3 - 1/2 WSW	Region	11
CHERRY ISLAND LANDFILL AST: AST	1706 EAST 12TH STREET	Property	▲ A5	44
DSWA CHERRY ISLAND LANDFILL (NSWMC) FINDS: FINDS ECHO: ECHO RCRA-VSQG: RCRA-VSQG	1706 EAST 12TH STREET	Property	▲ A8	107
DELAWARE SOLID WASTE AUTHORITY TIER 2: TIER 2 SWF/LF: SWF/LF	1706 E 12TH ST	Property	▲ A9	117
UP THE CREEK RESTAURANT BROWNFIELDS: BROWNFIELDS	1195 E. SEVENTH STREET	1/10 - 1/3 NNW	◆ B12	123
UP THE CREEK RESTAURANT AND MARINA INST CONTROL: Inst Control SHWS: SHWS	1195 EAST 7TH STREET	1/10 - 1/3 NNW	◆ B13	124
DP&L SUBSTATION/ DUPONT CHRISTINA LABS SHWS: SHWS	SOUTH WILMINGTON	1/10 - 1/3 WNW	◆ 14	125
SALVAGE YARD RELOCATION AREA II SHWS: SHWS	0 I-495 NB	1/10 - 1/3 N	◆ 17	133
EAST 7TH ST PENINSULA - SOUTH SHWS: SHWS	7TH STREET	1/10 - 1/3 NNW	◆ 18	135
1190 E. 7TH ST SHWS: SHWS BROWNFIELDS: BROWNFIELDS	1190 EAST 7TH STREET	1/10 - 1/3 NNW	◆ 21	144

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
HALBY CHEMICAL CO.	600 TERMINAL AVE	1/3 - 1/2 WSW	Region	

EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
CONSENT: CONSENT US INST CONTROLS: US INST CONTROLS US ENG CONTROLS: US ENG CONTROLS ROD: ROD SEMS: SEMS NPL: NPL PRP: PRP UST: UST				
GATE 2 PAVEMENT IMPROVEMENT AT THE CHERRY ISALND LANDFILL FINDS: FINDS	1706 EAST 12TH STREET	Property	▲ A1	37
PHASES I/II LANDFILL GAS HEADER CONSTRUCTION FINDS: FINDS	1706 EAST 12TH STREET	Property	▲ A2	38
DSWA NORTHERN SW MANAGEMENT CNTR (CHERRY ISLANDL) - 1706 E 1 FINDS: FINDS	1706 EAST 12TH STREET	Property	▲ A3	38
CHERRY ISLAND RENEWABLE ENERGY, LLC AIRS: AIRS ENF: ENFORCEMENT UIC: UIC	1706 EAST 12TH STREET	Property	▲ A4	38
DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND US AIRS: US AIRS (AFS) ICIS: ICIS	1706 EAST 12TH STREET	Property	▲ A6	46
CHERRY ISLAND RENEWABLE ENERGY, LLC FINDS: FINDS ICIS: ICIS	1706 E 12TH STREET	Property	▲ A7	106
DSWA CHERRY ISLAND LANDFILL (NSWMC) FINDS: FINDS ECHO: ECHO RCRA-VSQG: RCRA-VSQG	1706 EAST 12TH STREET	Property	▲ A8	107
DELAWARE SOLID WASTE AUTHORITY TIER 2: TIER 2 SWF/LF: SWF/LF	1706 E 12TH ST	Property	▲ A9	117
DE SOLID WASTE AUTHORITY, CHERRY ISLAND FINDS: FINDS ECHO: ECHO	1706 E 12TH STREET	Property	▲ A10	119
SALVAGE YARD RELOCATION AREA II US BROWNFIELDS: US BROWNFIELDS	INTERSECTION OF 12TH STREET AND RTE 495	1/10 - 1/3 N	◆ 11	120
DP/DUPONT CHRISTINA LABS-DP US BROWNFIELDS: US BROWNFIELDS	500 CHRISTIANA AVE	1/10 - 1/3 W	◆ C15	127
DP/DUPONT CHRISTINA LABS-DUPONT	500 CHRISTIANA AVE	1/10 - 1/3 W	◆ C16	130

EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
FINDS: FINDS US BROWNFIELDS: US BROWNFIELDS				
DP/CONGO MARSH-CONGO FINDS: FINDS US BROWNFIELDS: US BROWNFIELDS	1599 A ST	1/10 - 1/3 WNW	◆ D19	137
DP/CONGO MARSH-DELMARVA POWER US BROWNFIELDS: US BROWNFIELDS	1599 A ST	1/10 - 1/3 WNW	◆ D20	141

EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 6778463.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 300 1/3 1/2 Miles

- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Wilmington Harbor North	CLIENT:	Environmental Standards Inc.
ADDRESS:	1706 E 12th Street Wilmington DE 19801	CONTACT:	Joe Kraycik
LAT/LONG:	39.724604 / 75.524063	INQUIRY #:	6778463.2s
		DATE:	December 07, 2021 3:32 pm

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SECONDARY MAP - 6778463.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/3 1/2 1 Miles

Indian Reservations BIA

County Boundary

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Upgradient Area

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Wilmington Harbor North	CLIENT:	Environmental Standards Inc.
ADDRESS:	1706 E 12th Street Wilmington DE 19801	CONTACT:	Joe Kraycik
		INQUIRY #:	6778463.2s
LAT/LONG:	39.724604 / 75.524063	DATE:	December 07, 2021 3:29 pm

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

HALBY CHEMICAL CO. 600 TERMINAL AVE, NEW CASTLE, DE, 19720		1000165424
Region	WSW 1/3 - 1/2 (2182 ft. / 0.413 mi.)	Lists of Federal NPL (Superfund) sites Lists of Federal sites subject to CERCLA removals and CERCLA orders Federal institutional controls / engineering controls registries Lists of state and tribal registered storage tanks Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Both COC & PHC: YES

Groundwater Flow Gradient:

Hydrogeologically: YES

Topographically: YES

Crossgradient: YES

NPL: Lists of Federal NPL (Superfund) sites

EPA Region:	3
EPA ID:	DED980830954
Site ID:	300125
Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
City,State,Zip:	NEW CASTLE, DE 19720
Federal:	N
Final Date:	1986-06-10 00:00:00
Latitude:	39.718611
Longitude:	-75.537219
Site Score:	30.899999999999999
NAI:	Not Reported
Native American Entity:	Not Reported

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

NPL:

NPL Status:	Currently on the Final NPL
Substance ID:	Not Reported
CAS Number:	Not Reported
Substance:	Not Reported
Pathway:	Not Reported
Scoring:	Not Reported
NPL Status:	Currently on the Final NPL
Substance ID:	A005
CAS Number:	Not Reported
Substance:	ARSENIC AND COMPOUNDS
Pathway:	GROUND WATER PATHWAY
Scoring:	3
NPL Status:	Currently on the Final NPL
Substance ID:	A005
CAS Number:	Not Reported
Substance:	ARSENIC AND COMPOUNDS
Pathway:	SURFACE WATER PATHWAY
Scoring:	3
NPL Status:	Currently on the Final NPL
Substance ID:	A020
CAS Number:	Not Reported
Substance:	CHROMIUM AND COMPOUNDS
Pathway:	NO PATHWAY INDICATED
Scoring:	1
NPL Status:	Currently on the Final NPL
Substance ID:	C049
CAS Number:	100-41-4
Substance:	ETHYLBENZENE
Pathway:	NO PATHWAY INDICATED
Scoring:	1
NPL Status:	Currently on the Final NPL
Substance ID:	C178
CAS Number:	Not Reported
Substance:	COPPER AND COMPOUNDS
Pathway:	NO PATHWAY INDICATED
Scoring:	1
NPL Status:	Currently on the Final NPL
Substance ID:	C247
CAS Number:	Not Reported
Substance:	ZINC AND COMPOUNDS
Pathway:	NO PATHWAY INDICATED
Scoring:	1
NPL Status:	Currently on the Final NPL
Substance ID:	C558

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

CAS Number:	302-04-5
Substance:	THIOCYANATE
Pathway:	GROUND WATER PATHWAY
Scoring:	2
NPL Status:	Currently on the Final NPL
Substance ID:	D006
CAS Number:	7440-43-9
Substance:	CADMIUM (CD)
Pathway:	NO PATHWAY INDICATED
Scoring:	1
NPL Status:	Currently on the Final NPL
Substance ID:	D008
CAS Number:	7439-92-1
Substance:	LEAD (PB)
Pathway:	NO PATHWAY INDICATED
Scoring:	1
NPL Status:	Currently on the Final NPL
Substance ID:	P022
CAS Number:	75-15-0
Substance:	CARBON DISULFIDE
Pathway:	NO PATHWAY INDICATED
Scoring:	1
NPL Status:	Currently on the Final NPL
Substance ID:	P030
CAS Number:	Not Reported
Substance:	CYANIDES (SOLUBLE SALTS)
Pathway:	GROUND WATER PATHWAY
Scoring:	2
NPL Status:	Currently on the Final NPL
Substance ID:	U210
CAS Number:	127-18-4
Substance:	TETRACHLOROETHENE
Pathway:	NO PATHWAY INDICATED
Scoring:	1
NPL Status:	Currently on the Final NPL
Substance ID:	U220
CAS Number:	108-88-3
Substance:	TOLUENE
Pathway:	NO PATHWAY INDICATED
Scoring:	1
NPL Status:	Currently on the Final NPL
Substance ID:	U226
CAS Number:	71-55-6
Substance:	TRICHLOROETHANE, 1,1,1-
Pathway:	NO PATHWAY INDICATED
Scoring:	1

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

NPL Status:	Currently on the Final NPL
Substance ID:	U228
CAS Number:	79-01-6
Substance:	TRICHLOROETHYLENE (TCE)
Pathway:	NO PATHWAY INDICATED
Scoring:	1

Summary Details:

Conditions at proposal September 18, 1985): Halby Chemical Co. was a manufacturing facility in New Castle, New Castle County, Delaware. Its primary product was ammonium thiocyanate. In the early 1970s, Witco Chemical Co. acquired the operation, then sold it to Brandywine Chemical Co. in 1977. Currently, Brandywine stores finished products for distribution on the site. From the late l940s to August l977, a waste water lagoon was in use behind the plant near the WilmingtonMarine Terminal in New Castle. The lagoon was approximately 2 feet deep, covered l.5 acres, and drained into the Lobdell Canal and the Christina River. High levels of various organic and inorganic substances, including trichloroethylene,tetrachloroethylene, arsenic, cyanide, and lead, are present in water and sediment samples from the lagoon, according to EPA tests. EPA detected thiocyanate in the ground water underlying the site. Four municipal wells are part of an interconnected system that supplies approximately 150,000 people living 2 to 3 miles from the site. Status June 10, 1986): EPA emergency staff has assessed the site and determined that an immediate removal action is not warranted at this time.

NPL:

NPL Status:	Currently on the Final NPL
Category Description:	Depth To Aquifer-<= 10 Feet
Category Value:	10
NPL Status:	Currently on the Final NPL
Category Description:	Distance To Nearest Population-0 Miles (On Site)
Category Value:	0

NPL:

NPL Name:	HALBY CHEMICAL CO.

NPL:

EPA Region:	03
Site ID:	0300125
Site Status:	F
Federal Site:	N

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Date Deleted:	Not Reported
Date Finalized:	06/10/86
Date Proposed:	09/18/85

NPL:

Proposed Date:	09/18/1985
Final Date:	06/10/1986
Deleted Date:	Not Reported
NPL Status:	Final

SEMS: Lists of Federal sites subject to CERCLA removals and CERCLA orders

Site ID:	0300125
EPA ID:	DED980830954
Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
Address 2:	Not Reported
City,State,Zip:	NEW CASTLE, DE 19720
Cong District:	01
FIPS Code:	10003
Latitude:	39.718611
Longitude:	-75.537219
FF:	N
NPL:	Currently on the Final NPL
Non NPL Status:	Not Reported

SEMS Detail:

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	3
Start Date:	2016-12-01 05:00:00
Finish Date:	9/26/2017 5:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	01
Action Code:	TS

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Action Name:	TRTSTUDY
SEQ:	1
Start Date:	1989-09-26 04:00:00
Finish Date:	9/30/1990 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	TA
Action Name:	TECH ASSIST
SEQ:	1
Start Date:	1990-04-24 04:00:00
Finish Date:	Not Reported
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	2
Start Date:	2011-11-10 05:00:00
Finish Date:	9/27/2012 5:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1986-06-10 04:00:00
Finish Date:	6/10/1986 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1985-03-29 06:00:00
Finish Date:	3/29/1985 6:00:00 AM
Qual:	H
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	1989-08-16 04:00:00
Finish Date:	8/16/1989 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	1
Start Date:	1987-06-30 04:00:00
Finish Date:	Not Reported
Qual:	Not Reported
Current Action Lead:	EPA Perf

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	2
Start Date:	2012-01-19 05:00:00
Finish Date:	Not Reported
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	2
Start Date:	1993-03-09 05:00:00
Finish Date:	3/31/1998 5:00:00 AM
Qual:	E
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	1991-06-28 04:00:00
Finish Date:	6/28/1991 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	CO
Action Name:	RI/FS
SEQ:	2
Start Date:	1991-12-20 05:00:00
Finish Date:	3/31/1998 5:00:00 AM

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	3
Start Date:	1991-08-02 04:00:00
Finish Date:	8/2/1991 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	4
Start Date:	1993-04-16 04:00:00
Finish Date:	6/25/1993 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	1
Start Date:	2005-11-14 05:00:00
Finish Date:	9/28/2007 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

NPL:	F
FF:	N
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1985-09-18 05:00:00
Finish Date:	9/18/1985 5:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	01
Action Code:	CO
Action Name:	RI/FS
SEQ:	1
Start Date:	1987-03-06 05:00:00
Finish Date:	6/28/1991 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	RO
Action Name:	ROD
SEQ:	2
Start Date:	1998-03-31 05:00:00
Finish Date:	3/31/1998 5:00:00 AM
Qual:	R
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	2

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Start Date:	1990-09-10 04:00:00
Finish Date:	9/10/1990 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	TG
Action Name:	TA GRANT
SEQ:	1
Start Date:	1998-08-11 04:00:00
Finish Date:	2/6/2001 5:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1995-02-03 05:00:00
Finish Date:	7/20/1995 4:00:00 AM
Qual:	S
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	CM
Action Name:	PCOR
SEQ:	1
Start Date:	2002-04-22 04:00:00
Finish Date:	4/22/2002 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	2
Start Date:	1985-10-30 06:00:00
Finish Date:	1/10/1986 5:00:00 AM
Qual:	D
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	01
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1989-07-21 04:00:00
Finish Date:	6/28/1991 4:00:00 AM
Qual:	E
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	01
Action Code:	ED
Action Name:	R/H ASMT
SEQ:	1
Start Date:	1990-09-01 04:00:00
Finish Date:	9/1/1990 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	DS

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Action Name:	DISCVRY
SEQ:	1
Start Date:	1983-11-01 05:00:00
Finish Date:	11/1/1983 5:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	BD
Action Name:	PRP RI/FS
SEQ:	1
Start Date:	1997-06-09 04:00:00
Finish Date:	1/6/1998 5:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Ovrsght
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	BE
Action Name:	PRP RD
SEQ:	2
Start Date:	1999-06-03 04:00:00
Finish Date:	9/14/2000 4:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Ovrsght
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	BB
Action Name:	PRP RV
SEQ:	1
Start Date:	1995-07-20 04:00:00
Finish Date:	9/30/1998 4:00:00 AM
Qual:	S
Current Action Lead:	EPA Ovrsght

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	BF
Action Name:	PRP RA
SEQ:	2
Start Date:	2000-09-14 04:00:00
Finish Date:	9/30/2005 4:00:00 AM
Qual:	FR
Current Action Lead:	EPA Ovrsght

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	NA
Action Name:	PRP RI
SEQ:	1
Start Date:	2013-05-10 05:00:00
Finish Date:	10/1/2017 5:00:00 AM
Qual:	Not Reported
Current Action Lead:	EPA Ovrsght

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	02
Action Code:	OM
Action Name:	OM
SEQ:	1
Start Date:	2020-01-01 06:00:00
Finish Date:	Not Reported
Qual:	Not Reported
Current Action Lead:	EPA Ovrsght

Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

OU:	00
Action Code:	MA
Action Name:	ST COOP
SEQ:	2
Start Date:	1991-01-24 05:00:00
Finish Date:	Not Reported
Qual:	Not Reported
Current Action Lead:	St Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1983-12-01 05:00:00
Finish Date:	2/1/1984 5:00:00 AM
Qual:	L
Current Action Lead:	St Perf
Region:	03
Site ID:	0300125
EPA ID:	DED980830954
Site Name:	HALBY CHEMICAL CO.
NPL:	F
FF:	N
OU:	00
Action Code:	MA
Action Name:	ST COOP
SEQ:	1
Start Date:	1988-12-22 05:00:00
Finish Date:	12/22/1988 5:00:00 AM
Qual:	Not Reported
Current Action Lead:	St Perf

SIte: Federal institutional controls / engineering controls registries

Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
Address 2:	Not Reported
City,State,Zip:	NEW CASTLE, DE 19720
Event Code:	Not Reported
Action Taken Date:	03/31/1998
EPA ID:	DED980830954
Action Name:	Record of Decision
Action ID:	2
Operable Unit:	02

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Contaminated Media:	Sediment
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

Media:

EPA ID:	DED980830954
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Surface Water
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/28/1991
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1991
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Debris
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/28/1991
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1991
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Debris
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Action Taken Date:	06/28/1991
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1991
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/28/1991
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1991
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/28/1991
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1991
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219
EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

EPA ID:	DED980830954
Contaminated Media:	Surface Water
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/31/1998
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

US INST CONTROLS: Federal institutional controls / engineering controls registries

Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
Address 2:	Not Reported

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

City,State,Zip:	NEW CASTLE, DE 19720
EPA ID:	DED980830954
Action Name:	Record of Decision
Action ID:	1
Operable Unit:	01
Actual Date:	06/28/1991
Contaminated Media:	Soil
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1991
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
Address 2:	Not Reported
City,State,Zip:	NEW CASTLE, DE 19720
EPA ID:	DED980830954
Action Name:	Record of Decision
Action ID:	2
Operable Unit:	02
Actual Date:	03/31/1998
Contaminated Media:	Surface Water
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
Address 2:	Not Reported
City,State,Zip:	NEW CASTLE, DE 19720
EPA ID:	DED980830954
Action Name:	Record of Decision
Action ID:	2
Operable Unit:	02
Actual Date:	03/31/1998
Contaminated Media:	Groundwater
Event Code:	Not Reported
Contact Name:	Not Reported

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
Address 2:	Not Reported
City,State,Zip:	NEW CASTLE, DE 19720
EPA ID:	DED980830954
Action Name:	Record of Decision
Action ID:	2
Operable Unit:	02
Actual Date:	03/31/1998
Contaminated Media:	Sediment
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
Address 2:	Not Reported
City,State,Zip:	NEW CASTLE, DE 19720
EPA ID:	DED980830954
Action Name:	Record of Decision
Action ID:	2
Operable Unit:	02
Actual Date:	03/31/1998
Contaminated Media:	Soil
Event Code:	Not Reported
Contact Name:	Not Reported
Contact Telephone:	Not Reported
Event:	Not Reported
Federal Facility:	N
Fiscal Year:	1998
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	39.718611
Longitude:	-75.537219

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

UST: Lists of state and tribal registered storage tanks

Facility Id:	10054300
PI Id:	19185
Prog Id:	3-000561
Tax Id:	Not Reported
Additional Info:	Not Reported
Care Of:	Not Reported
PO Name:	Wilmington
Sewer District:	Unknown
Flood Plain Zone Code:	Not Reported
Flood Plain Zone:	Not Reported
Water District:	Not Reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Yes
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Lake Forest
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not Reported
Mod Grid:	Not Reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
X Coordinate Na D83 Meters:	189717.1
Y Coordinate Na D83 Meters:	190854.5
Latitude Dec:	39.71915
Longitude Dec:	-75.5365
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	8.9688
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	11.7384
Name:	HALBY CHEMICAL CO
Address:	600 TERMINAL AVENUE
City,State,Zip:	NEW CASTLE, DE 19720

Tank Info:

Owner:	Brandywine Chemical
Owner Address:	600 Terminal Avenue, New Castle, DE 19720 US
Tank Id:	1
Alt Tank Id:	1
Tank Status:	Removed
Capacity:	10000
Tank Substance:	Heating Oil

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

Compartment:	N
Close Date:	04/10/1995
Install Date:	03/30/1970

ROD: Other Ascertainable Records

Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
City,State,Zip:	NEW CASTLE, DE 19720
EPA ID:	DED980830954
RG:	3
Site ID:	300125
Action:	GOVT Decision Document (ROD)
Operable Unit Number:	SURFACE SOIL-OPERATING FACILIT
SEQ ID:	1
Action Completion:	1991-06-28 00:00:00
NPL Status:	Final
Non NPL Status:	Not Reported

Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
City,State,Zip:	NEW CASTLE, DE 19720
EPA ID:	DED980830954
RG:	3
Site ID:	300125
Action:	GOVT Decision Document (ROD)
Operable Unit Number:	GROUND WATER & SURFACE WATER
SEQ ID:	2
Action Completion:	1998-03-31 00:00:00
NPL Status:	Final
Non NPL Status:	Not Reported

PRP: Other Ascertainable Records

PRP Name:	ARGUS CHEMICAL CORP/WITCO CORP
	ARGUS CHEMICAL CORP/WITCO CORP
	ARGUS CHEMICAL CORP/WITCO CORP
	ARGUS CHEMICAL CORPORATION
	ARGUS CHEMICAL CORPORATION
	ARGUS CHEMICAL CORPORATION
	BOLLMAN TRUCKING CO
	BRANDYWINE CHEMICAL CO
	BRANDYWINE CHEMICAL CO
	BRANDYWINE CHEMICAL CO
	CHEMTURA CORPORATION
	CHRISTIANA MOTOR FREIGHT INC./F&H TRANSPORT
	ESTATE OF DR. ALBERT BEEKHUIS

HALBY CHEMICAL CO., 600 TERMINAL AVE, NEW CASTLE, DE 19720 (Continued)

ESTATE OF DR. ALBERT BEEKHUIS

F & H TRANSPORT, INC.

F & H TRANSPORT, INC.

F & H TRANSPORT, INC.

F.A. POTTS AND COMPANY INTERNATIONAL, INC.

HALBY CHEMICAL CO INC

PYRITES CO INC

The Click here to access 14 additional PRP: record(s) in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4U947zUgL9zs2KC7INzxO9U6gSWLwK4W9z7RstR2YgKy4CGp3PJIayNfNBRbxqXO4JAQGUnL6S26GGSwkWkQ36iwg8K2y4wFUVl94Z27u7jBzKz8MMgzsLYD3jQzxMsGI4q9KvgCcg2KxI6EN0r96TxmBOMj4wGUvU6l53UpSIeWuH4FUU9e9zu3EZ7EUz.623fgQrLxN8pfzhGsHD9MbKndCqL9FDIGUNRlAh8x9ZOkW6mwUas6Ww856SdGWT559cw4YK8N1aoWoS9nK4S67LlRjWuPvt99Rwt463UCL9J.3wx7zlzGV2hbgzXLBI3xUzucs6s2XKKPxCkt2lGIbVNUZ2ljxlnOyM3RRU9A6v98B5SwQW0.7UiwsQKZn6DgWeE9lA4ee7y4RpA6abtiGRae2 additional records for this site. Please contact your EDR Account Executive for more information.

CONSENT: Other Ascertainable Records

EPA ID:	DED980830954
Site ID:	Not Reported
Case Title:	U.S. V. WITCO CORPORATION (HALBY CHEMICAL)
Court Num:	92-93
District:	Delaware
Entered Date:	19920409
Name:	HALBY CHEMICAL
Name:	HALBY CHEMICAL CO.
Address:	600 TERMINAL AVE
City,State,Zip:	NEW CASTLE, DE 19720
County:	NEW CASTLE

GATE 2 PAVEMENT IMPROVEMENT AT THE CHERRY ISALND LANDFILL
1706 EAST 12TH STREET, WILMINGTON, DE, 19809 1015844936

▲ A1	Target Property	Other Ascertainable Records
	26 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

FINDS: Other Ascertainable Records

Registry ID:	110054583107
Click Here:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110054583107

Environmental Interest/Information System:

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=6SwM6MBeSPeiwXx1MunV3HVSM.ydBBbfeapcA6K0PyOUeca5iTQK5ks4Xu6JxxSX1AZy3j0guc6InasRVSyh4.mNHR1CVcrJSOjaCQXr.ZI1yD3OdWxiBUkaBBvIb6vJf36a78.EaYzlphjccUT.43m76UDaKIR50fde6BFnSUkuwSJtMdDS3hOKMlsbBbLaeumD9RmnPoT6ed6QiLqG4yKDXEKSxucd1W8P5xz4u90LnIQsVm3N3zSDH5PDVX1UScqdAzyc.UJEyn6bdp0W5loyB3MKbXbofWcQ4w7UaAdxpz4YcDXb60yjSU9uwe.TMQnG4JNgMzMRBJ7NeOnv3wORPJgQeGvsiZuy9T9RX89AxORg1MKXAPgwux8.nx4pVnBMAZtPHQnCVagVS3MtBZr5.CSQyjd.d7nQ75WuBtSxbrx.f.NY9QQdaUCGpLqJcgsu6fG16HTTKpEH0d.c2pTlybnKObDnUa5y5YVecwHgaOhP5EOrvSKBTtj7QUyDKqWU6IwNSrgTwg.9Md0f48myMMokBIIQeZea31PZPiANe8bQi9wL4ACKX86bx8zL1ieS3Zriuz31nGFoVzN.4anXHZdEVw5dSD598YSX.JAdy3Jsdh.IBRLdB4FybvX8f7Dq7vByaSlNpg7AcPE77B.Y6x3ZKQar0YbuCYaAyTlHOL4LU40H6XMYcJkhafIG5CBd9tlkThxUQAxVKC.U3 additional records for this site. Please contact your EDR Account Executive for more information.

MAP FINDINGS

PHASES I/II LANDFILL GAS HEADER CONSTRUCTION 1706 EAST 12TH STREET, WILMINGTON, DE, 19809		1015968129
▲ A2	Target Property 26 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

FINDS: Other Ascertainable Records

Registry ID: 110054502560
Click Here: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110054502560

Environmental Interest/Information System:

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=6SwM6MBeSPeiwXx1MunV3HVSM.ydBBbfeapcA6K0PyOUeca5iTQK5ks4Xu6JxxSX1AZy3j0guc6InasRVSyh4.mNHR1CVcrJSOjaCQXr.ZI1yD3OdWxiBUkaBBvIb6vJf36a78.EaYzlphjccUT.43m76UDaKIR50fde6BFnSUkuwSJtMdDS3hOKMlsbBbLaeumD9RmnPoT6ed6QiLqG4yKDXEKSxucd1W8P5xz4u90LnIQsVm3N3zSDH5PDVX1UScqdAzyc.UJEyn6bdp0W5loyB3MKbXbofWcQ4w7UaAdxpz4YcDXb60yjSU9uwe.TMQnG4JNgMzMRBJ7NeOnv3wORPJgQeGvsiZuy9T9RX89AxORg1MKXAPgwux8.nx4pVnBMAZtPHQnCVagVS3MtBZr5.CSQyjd.d7nQ75WuBtSxbrx.f.NY9QQdaUCGpLqJcgsu6fG16HTTKpEH0d.c2pTlybnKObDnUa5y5YVecwHgaOhP5EOrvSKBTtj7QUyDKqWU6IwNSrgTwg.9Md0f48myMMokBIIQeZea31PZPiANe8bQi9wL4ACKX86bx8zL1ieS3Zriuz31nGFoVzN.4anXHZdEVw5dSD598YSX.JAdy3Jsdh.ICRLdB4FybvX8f7Dq9vByaSlNpg7AcPE7BB.Y6x3ZKQar0Ybu4YaAyTlHOL4LU40H5XMYcJkhafIG5CBdCtIkThxUQAxVKC.U3
additional records for this site. Please contact your EDR Account Executive for more information.

DSWA NORTHERN SW MANAGEMENT CNTR (CHERRY ISLANDL) - 1706 E 1 1706 EAST 12TH STREET, WILMINGTON, DE, 19809		1015882167
▲ A3	Target Property 26 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

FINDS: Other Ascertainable Records

Registry ID: 110054404257
Click Here: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110054404257

Environmental Interest/Information System:

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=6Dzv68BoDRbFzhgVvBZG3zc68UhzBIcUoHMqAMN1RIGyb3SwFH365xVBhSXpgHPFVURf3MNwBPB7ZcCVGrj84CijzU3Bcpam6OIHCu1VUaOxht9lza3kB1YkIIjfchLQUIAq7EwLH.YJM6eTqo.V4FuFMTEVNMNz1kC36H.SD.xazOEOvKNg3CER8OEQBc5yoffy9kH5R6RNbljSFC9m4DO9hB6sgD.XVVVE5stBBHkXZYP.Gmcu393xzVKOctxX6az8A8HfUxr1hihGzRAh5brcIqqccmoOUQgp43xMHSCuMoqQqXB96pfMDkSXzx30vRtk4m9z8.maB3Z0oRIk3silRQ3Mb7JZFly79dP8hct1gAuxVPEGAs7XBQHhZ.UgGEosAoh0zm4fcPVg6TEKB3wZUXIFhxTizaMT7XHGIr9jcD37UitV9p9nHr9vMpkjqs.c6GiGMbe5Na8B1TWD2Fx.IBbqGJVgy4645G963xbcSgY6w4EnvW8XHEkJ39Vq684H63hPDxwAzXLOvpjk4GL48agoBVj7oHrN3z1dRnhUb1nRFCpc4pF8hH8ngySBVGTp3YEIBjbUZz5oGgzh45hqzWMvcnMS6XFH8hAcUYKah0DPzmpGB4peIFHwcH1bUxEbB9G6HCuoMVA0qKz75XU4M7eCNsp01EM347I7IArwGG.myHXC99jI35eKS.paw6ohAqPoH6vA3Tbk6vAZ3
additional records for this site. Please contact your EDR Account Executive for more information.

CHERRY ISLAND RENEWABLE ENERGY, LLC 1706 EAST 12TH STREET, WILMINGTON, DE, 19809	S109485175

MAP FINDINGS

▲ A4	Target Property	Other Ascertainable Records
	26 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

AIRS: Other Ascertainable Records

Name:	CEREZA ENERGY, INC.
Address:	1706 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility Id:	10705604
X Coordinate:	Not Reported
Y Coordinate:	Not Reported
Reference Point:	Not Reported
Horizontal Method:	Not Reported
Latitude:	Not Reported
Longitude:	Not Reported
Watershed:	Not Reported
Basin:	Not Reported
State House District:	Not Reported
Representative:	Not Reported
State Senate District:	Not Reported
Senator:	Not Reported
School District:	Not Reported
Quad:	Not Reported
State Abbreviation:	Not Reported
Town:	Not Reported
PI ID:	27757
Prog ID:	1000300691
Additional Info:	Not Reported
CareOf:	Not Reported
ReferencePt:	Not Reported
HorizontalMethod:	Not Reported
LocType:	Not Reported
LatitudeDec:	Not Reported
LongitudeDec:	Not Reported
LatitudeDegrees:	Not Reported
LatitudeMinutes:	Not Reported
LatitudeSeconds:	Not Reported
LongitudeDegrees:	Not Reported
LongitudeMinutes:	Not Reported
LongitudeSeconds:	Not Reported
County:	Not Reported
State:	Not Reported
Town:	Not Reported
PO Name:	Not Reported
ZIP5:	Not Reported
TaxID:	Not Reported
SewerDistrict:	Not Reported
Flood Plain Zone Code:	Not Reported

CHERRY ISLAND RENEWABLE ENERGY, LLC, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Flood Plain Zone:	Not Reported
Basin:	Not Reported
Watershed:	Not Reported
DRBC Basin:	Not Reported
Quad:	Not Reported
SenateDistrict:	Not Reported
Senator:	Not Reported
House District:	Not Reported
Representative:	Not Reported
School District:	Not Reported
GMZ Name:	Not Reported
Ag Pres District:	Not Reported
Water District:	Not Reported
Mod Grid:	Not Reported
Name:	CHERRY ISLAND RENEWABLE ENERGY, LLC
Address:	1706 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19809
Facility Id:	10705604
X Coordinate:	No
Y Coordinate:	No
Reference Point:	Unknown
Horizontal Method:	Client Supplied-Method Unknown
Latitude:	39.72
Longitude:	-75.52
Watershed:	Christina River
Basin:	Piedmont
State House District:	2
Representative:	Representative Stephanie T Bolden
State Senate District:	2
Senator:	Senator Darius J. Brown
School District:	Lake Forest
Quad:	WILMINGTON SOUTH
State Abbreviation:	Not Reported
Town:	Wilmington
PI ID:	531937
Prog ID:	1000300883
Additional Info:	Not Reported
CareOf:	Not Reported
ReferencePt:	Unknown
HorizontalMethod:	Client Supplied-Method Unknown
LocType:	P
LatitudeDec:	39.72
LongitudeDec:	-75.52
LatitudeDegrees:	39
LatitudeMinutes:	43
LatitudeSeconds:	12
LongitudeDegrees:	-75
LongitudeMinutes:	31
LongitudeSeconds:	12

CHERRY ISLAND RENEWABLE ENERGY, LLC, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

County:	NEW CASTLE
State:	Not Reported
Town:	Wilmington
PO Name:	Wilmington
ZIP5:	19801
TaxID:	Not Reported
SewerDistrict:	Not Reported
Flood Plain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
SenateDistrict:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not Reported
Water District:	Not Reported
Mod Grid:	Not Reported
Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address:	1706 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19809
Facility Id:	10705604
X Coordinate:	No
Y Coordinate:	No
Reference Point:	Unknown
Horizontal Method:	Client Supplied-Method Unknown
Latitude:	39.778718
Longitude:	-75.3625
Watershed:	Not Reported
Basin:	Not Reported
State House District:	Not Reported
Representative:	Not Reported
State Senate District:	Not Reported
Senator:	Not Reported
School District:	Not Reported
Quad:	MARCUS HOOK
State Abbreviation:	Not Reported
Town:	Not Reported
PI ID:	1032
Prog ID:	1000300111
Additional Info:	Not Reported
CareOf:	Not Reported
ReferencePt:	Unknown
HorizontalMethod:	Client Supplied-Method Unknown
LocType:	P

CHERRY ISLAND RENEWABLE ENERGY, LLC, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

LatitudeDec:	39.778718
LongitudeDec:	-75.3625
LatitudeDegrees:	39
LatitudeMinutes:	46
LatitudeSeconds:	43.3848
LongitudeDegrees:	-75
LongitudeMinutes:	21
LongitudeSeconds:	45
County:	Not Reported
State:	Not Reported
Town:	Not Reported
PO Name:	Pedricktown
ZIP5:	8067
TaxID:	Not Reported
SewerDistrict:	Not Reported
Flood Plain Zone Code:	Not Reported
Flood Plain Zone:	Not Reported
Basin:	Not Reported
Watershed:	Not Reported
DRBC Basin:	Not Reported
Quad:	MARCUS HOOK
SenateDistrict:	Not Reported
Senator:	Not Reported
House District:	Not Reported
Representative:	Not Reported
School District:	Not Reported
GMZ Name:	Not Reported
Ag Pres District:	Not Reported
Water District:	Not Reported
Mod Grid:	Not Reported

ENFORCEMENT: Other Ascertainable Records

Name:	DSWA
Address:	1706 EAST 12TH STREET
Address 2:	Not Reported
City,State,Zip:	DE
Business:	active mun waste landfill
Program:	Air Quality
Violator City:	Not Reported
Violator State:	Not Reported
Violator Zip:	Not Reported
Date of Violation:	07/21/2010
Date Served:	10/28/2010
Date Discovered:	07/21/2010
Date Corrected:	Not Reported
V Corrected:	No
Account Number:	2010-11403
Contact:	Foster, Paul Edward
Phone:	Not Reported

CHERRY ISLAND RENEWABLE ENERGY, LLC, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Description:	Not Reported
Nature:	Records reviewed during 7/21/10 inspection show that the H2S pretreatment system (LO-CAT) has not been operated in conjunction with 2 enclosed flares for the quantity of time specified in its permit, since the unit was permitted in 2008. ---- Both John Zink Low-NOx enclosed flares, designated as ZULE-A and ZULE-B, shall be operated with the LO-CAT II H2S pretreatment system at all times as practicable. The term all times practicable is based on 20 of the total operational downtime recommended by the applicant. As practicable, the required maintenance on H2S pretreatment system shall be done while collected landfill gases are not diverted to the Low-NOx enclosed flares. The entire flare system shall be operated in conjunction with the gas collection system to control odors as its top priority. ---- Both John Zink Low-NOx enclosed flares, designated as ZULE-A (?Zink-A?) and ZULE-B (?Zink-B?), shall be operated with the LO-CAT II H2S pretreatment system at all times as practicable. The term all times practicable is based on 20 of the total operational downtime recommended by the applicant. As practicable, the required maintenance on H2S pretreatment system shall be done while collected landfill gases are not diverted to the Low-NOx enclosed flares. The entire flare system shall be operated in conjunction with the gas collection system to control odors as its top priority.
Env Issues Comments:	Unknown

UIC: Other Ascertainable Records

Name:	CHERRY ISLAND LANDFILL
Address:	1706 EAST 12TH STREET
Address 2:	Not Reported
City,State,Zip:	WILMINGTON, DE 19809
Permit Num:	5X26-07-07N
Permittee:	DE Solid Waste Auth
AKA:	Cherry Island Landfill
Issue Date:	08/01/2007
Exp Date:	11/01/2007
Exp Date2:	Not Reported
Renewal Date:	Not Reported
Cancel Date:	06/04/2015
Consultant Name:	Not Reported
Consultant Add1:	Not Reported
Consultant Add2:	Not Reported
Consultant City:	Not Reported

CHERRY ISLAND RENEWABLE ENERGY, LLC, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Consultant State:	Not Reported
Consultant Zip:	Not Reported
Consultant Tele:	Not Reported
Consultant Fax:	Not Reported
Equipment:	ASR well

CHERRY ISLAND LANDFILL 1706 EAST 12TH STREET, WILMINGTON, DE, 19809		A100415454
▲ A5	Target Property 26 ft. Above Sea Level	Lists of state and tribal registered storage tanks

Worksheet:

Impact on Target Property: VEC does not exist

AST: Lists of state and tribal registered storage tanks

Name:	CHERRY ISLAND LANDFILL
Address:	1706 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19809
Facility Id:	10705604
PI Id:	218936
Prog Id:	7-000481
Additional Info:	Not Reported
Country Abv:	US
Careof:	Not Reported
Loc Type:	P
County:	NEW CASTLE
Town:	Wilmington
PO Name:	Wilmington
Tax Id:	Not Reported
Sewer District:	Not Reported
DRBC Basin:	Not Reported
Quad:	WILMINGTON SOUTH
Watershed:	Shellpot Creek
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not Reported
Water District:	Not Reported
MOD Grid:	116-356
Latitude:	39.735419
Longitude:	-75.516153
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	7.5084
Longitude Degrees:	-75

CHERRY ISLAND LANDFILL, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Longitude Minutes:	30
Longitude Seconds:	58.1508
Reference Point:	Storage Tank
Horizontal Method:	Unknown
XCoord:	191471.8
Horizontal Method:	Unknown
Name:	CEREZA ENERGY, INC.
Address:	LF6 PROCESSING PLANT CHERRY ISLAND LANDFILL
City,State,Zip:	WILMINGTON, DE 19802
Facility Id:	10705604
PI Id:	218937
Prog Id:	7-000482
Additional Info:	Not Reported
Country Abv:	US
Careof:	Not Reported
Loc Type:	P
County:	NEW CASTLE
Town:	Wilmington
PO Name:	Wilmington
Tax Id:	Not Reported
Sewer District:	Not Reported
DRBC Basin:	Not Reported
Quad:	WILMINGTON SOUTH
Watershed:	Shellpot Creek
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not Reported
Water District:	Not Reported
MOD Grid:	116-356
Latitude:	39.73541
Longitude:	-75.516124
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	7.476
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	58.0464
Reference Point:	Storage Tank
Horizontal Method:	Unknown
XCoord:	191474.3
Horizontal Method:	Unknown
Name:	CHERRY ISLAND LANDFILL GAS OPERATIONS
Address:	1706 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19802
Facility Id:	10705604

CHERRY ISLAND LANDFILL, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

PI Id:	222177
Prog Id:	7-000537
Additional Info:	Not Reported
Country Abv:	US
Careof:	Not Reported
Loc Type:	P
County:	NEW CASTLE
Town:	Wilmington
PO Name:	Wilmington
Tax Id:	Not Reported
Sewer District:	Not Reported
DRBC Basin:	Not Reported
Quad:	WILMINGTON SOUTH
Watershed:	Shellpot Creek
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not Reported
Water District:	Not Reported
MOD Grid:	116-356
Latitude:	39.73542
Longitude:	-75.516111
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	7.512
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	57.9996
Reference Point:	Storage Tank
Horizontal Method:	Unknown
XCoord:	191475.4
Horizontal Method:	Unknown

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
1706 EAST 12TH STREET, WILMINGTON, DE, 19809 1005899321

▲ A6	Target Property	Other Ascertainable Records
	26 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

ICIS: Other Ascertainable Records

Enforcement Action ID:	DE000A0000100030011100616
FRS ID:	110007354308
Action Name:	Not Reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Facility Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address:	1706 EAST 12TH STREET WILMINGTON, DE 19809
Enforcement Action Type:	Notice of Violation
Facility County:	NEW CASTLE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4953
Federal Facility ID:	Not Reported
Latitude in Decimal Degrees:	39.778718
Longitude in Decimal Degrees:	-75.362500
Permit Type Desc:	Not Reported
Program System Acronym:	DE0000001000300111
Facility NAICS Code:	562212
Tribal Land Code:	Not Reported
Enforcement Action ID:	DE000A0000100030011100073
FRS ID:	110007354308
Action Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY I 100030011100073
Facility Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address:	1706 EAST 12TH STREET WILMINGTON, DE 19809
Enforcement Action Type:	Administrative Order
Facility County:	NEW CASTLE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4953
Federal Facility ID:	Not Reported
Latitude in Decimal Degrees:	39.778718
Longitude in Decimal Degrees:	-75.362500
Permit Type Desc:	Not Reported
Program System Acronym:	DE0000001000300111
Facility NAICS Code:	562212
Tribal Land Code:	Not Reported
Enforcement Action ID:	DE000A0000100030011100049
FRS ID:	110007354308
Action Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY I 100030011100049
Facility Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address:	1706 EAST 12TH STREET WILMINGTON, DE 19809
Enforcement Action Type:	Notice of Violation
Facility County:	NEW CASTLE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4953
Federal Facility ID:	Not Reported

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Latitude in Decimal Degrees:	39.778718
Longitude in Decimal Degrees:	-75.362500
Permit Type Desc:	Not Reported
Program System Acronym:	DE0000001000300111
Facility NAICS Code:	562212
Tribal Land Code:	Not Reported
Enforcement Action ID:	DE000A0000100030011100041
FRS ID:	110007354308
Action Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY I 100030011100041
Facility Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address:	1706 EAST 12TH STREET WILMINGTON, DE 19809
Enforcement Action Type:	Administrative Order
Facility County:	NEW CASTLE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4953
Federal Facility ID:	Not Reported
Latitude in Decimal Degrees:	39.778718
Longitude in Decimal Degrees:	-75.362500
Permit Type Desc:	Not Reported
Program System Acronym:	DE0000001000300111
Facility NAICS Code:	562212
Tribal Land Code:	Not Reported
Enforcement Action ID:	03-2005-A030
FRS ID:	110007354308
Action Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY I 100030011190009
Facility Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address:	1706 EAST 12TH STREET WILMINGTON, DE 19809
Enforcement Action Type:	CAA 113A Admin Compliance Order (Non-Penalty)
Facility County:	NEW CASTLE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	113A
Facility SIC Code:	4953
Federal Facility ID:	Not Reported
Latitude in Decimal Degrees:	39.778718
Longitude in Decimal Degrees:	-75.362500
Permit Type Desc:	Not Reported
Program System Acronym:	DE0000001000300111
Facility NAICS Code:	562212
Tribal Land Code:	Not Reported
Enforcement Action ID:	03-2004-A053
FRS ID:	110007354308
Action Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY I 100030011190008
Facility Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Facility Address:	1706 EAST 12TH STREET WILMINGTON, DE 19809
Enforcement Action Type:	CAA 113D1 Action For Penalty
Facility County:	NEW CASTLE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	113D1
Facility SIC Code:	4953
Federal Facility ID:	Not Reported
Latitude in Decimal Degrees:	39.778718
Longitude in Decimal Degrees:	-75.362500
Permit Type Desc:	Not Reported
Program System Acronym:	DE0000001000300111
Facility NAICS Code:	562212
Tribal Land Code:	Not Reported

US AIRS (AFS): Other Ascertainable Records

Envid:	1005899321
Region Code:	03
County Code:	DE003
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
D and B Number:	Not Reported
Facility Site Name:	DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND
Primary SIC Code:	4953
NAICS Code:	562212
Default Air Classification Code:	MAJ
Facility Type of Ownership Code:	Not Reported
Air CMS Category Code:	TVM
HPV Status:	Not Reported

US AIRS (AFS):

Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2016-05-05 00:00:00
Activity Status Date:	2016-08-02 10:06:41
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active

Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2005-11-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2006-04-19 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2006-08-02 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2006-11-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2007-03-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2007-04-17 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2007-05-25 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2007-06-28 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2007-09-04 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2007-10-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2007-11-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2008-05-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2008-10-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2009-10-09 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2010-04-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2010-07-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2011-02-28 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2011-08-15 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2011-09-15 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2012-04-18 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2012-05-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2012-08-13 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2014-07-22 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: Not Reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: Not Reported
Activity Status Date: 2006-12-22 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2016-05-05 00:00:00
Activity Status Date: 2016-08-02 10:06:41
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	New Source Performance Standards
Activity Date:	1998-09-09 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	1999-06-25 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	1999-06-30 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	1999-09-23 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2000-09-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2001-05-16 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2001-11-15 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2002-04-23 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2002-09-04 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2002-09-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2003-01-23 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2003-11-12 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2003-11-13 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	New Source Performance Standards
Activity Date:	2003-11-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2003-12-02 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2004-09-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2005-10-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2005-11-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2006-04-19 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2006-08-02 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2006-11-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2007-03-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2007-04-17 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2007-05-25 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2007-06-28 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2007-09-04 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	New Source Performance Standards
Activity Date:	2007-10-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2007-11-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2007-11-27 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2008-05-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2008-10-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2009-10-09 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2010-07-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2010-12-10 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2011-02-28 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-08-15 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-09-15 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-04-18 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	New Source Performance Standards
Activity Date:	2012-08-13 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2014-07-22 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2004-03-01 00:00:00
Activity Status Date:	2004-03-01 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2010-10-28 00:00:00
Activity Status Date:	2010-10-28 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2016-05-05 00:00:00
Activity Status Date:	2016-08-02 10:06:41
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1998-09-09 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1999-06-25 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1999-06-30 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1999-09-23 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2000-09-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2001-05-16 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2001-11-15 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-04-23 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-05-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-09-04 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-09-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-01-23 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-03-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-03-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-04-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-05-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-05-06 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-06-27 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-10-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-10-27 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-11-07 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-11-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-12-02 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-12-17 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2004-02-17 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2004-03-03 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2004-03-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2004-05-04 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2004-06-25 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2004-09-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2004-10-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-03-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-05-27 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-07-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-09-30 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-10-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2005-11-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-01-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-03-30 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-04-18 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-04-19 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-05-04 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-08-02 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-11-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-03-27 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-03-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-04-17 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-05-25 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-06-28 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-09-04 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-09-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-10-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-11-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-11-27 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-03-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-03-28 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-05-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-08-06 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-10-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-10-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-03-30 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-10-09 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2010-04-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2010-07-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2010-12-10 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2011-02-28 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2011-08-15 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2011-09-15 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-04-18 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-05-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-08-13 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-05-13 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-05-15 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-08-16 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2014-07-22 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2004-03-01 00:00:00
Activity Status Date:	2004-03-01 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2004-11-19 00:00:00
Activity Status Date:	2004-11-19 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2006-07-11 00:00:00
Activity Status Date:	2006-07-11 00:00:00
Activity Group:	Enforcement Action

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-06-11 00:00:00
Activity Status Date:	2003-06-11 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2010-10-28 00:00:00
Activity Status Date:	2010-10-28 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2015-01-29 00:00:00
Activity Status Date:	2015-02-04 13:06:55
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2015-04-23 00:00:00
Activity Status Date:	2015-05-28 10:57:14
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-23 00:00:00
Activity Status Date: 2015-08-17 14:26:46
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-26 00:00:00
Activity Status Date: 2015-09-28 13:42:09
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-02-01 00:00:00
Activity Status Date: 2016-03-30 12:51:54
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-05-05 00:00:00
Activity Status Date: 2016-08-02 10:06:41
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	Title V Permits
Activity Date:	2016-06-09 00:00:00
Activity Status Date:	2016-06-28 12:02:24
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2016-06-09 00:00:00
Activity Status Date:	2016-06-28 12:02:38
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2016-07-13 00:00:00
Activity Status Date:	2016-08-09 15:46:40
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	1998-09-09 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	1999-06-25 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	1999-06-30 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	1999-09-23 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2000-09-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2001-05-16 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-11-15 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-04-23 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-21 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-04 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	Title V Permits
Activity Date:	2002-09-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-01-23 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-03-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-03-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-04-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-05-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-05-06 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-06-27 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-10-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-10-27 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-07 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-20 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-12-02 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	Title V Permits
Activity Date:	2003-12-17 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-02-17 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-03-03 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-03-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-05-04 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-06-25 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-09-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-10-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2005-03-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-05-27 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-07-21 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-30 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-10-20 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	Title V Permits
Activity Date:	2005-11-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-03-30 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-04-18 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-04-19 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-08-02 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-11-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-03-27 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-03-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-04-17 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-05-25 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-06-28 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-04 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-10-31 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	Title V Permits
Activity Date:	2007-11-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-11-27 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2008-03-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2008-03-28 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2008-05-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2008-08-06 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2008-10-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-03-30 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-05-05 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-10-09 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-03-29 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-04-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-07-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	Title V Permits
Activity Date:	2010-08-26 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-12-10 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2011-01-26 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2011-02-28 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2011-08-15 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2011-09-15 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-01-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-04-18 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2012-05-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-13 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-01-30 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-21 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-13 00:00:00
Activity Status Date: Not Reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not Reported

Region Code: 03
Programmatic ID: AIR DE0000001000300111
Facility Registry ID: 110007354308
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Air Program:	Title V Permits
Activity Date:	2013-05-15 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2013-08-16 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2014-01-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2014-04-15 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2014-07-22 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring

DELAWARE SOLID WASTE AUTHORITY, CHERRY ISLAND, 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-03-01 00:00:00
Activity Status Date:	2004-03-01 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-07-11 00:00:00
Activity Status Date:	2006-07-11 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-06-11 00:00:00
Activity Status Date:	2003-06-11 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	03
Programmatic ID:	AIR DE0000001000300111
Facility Registry ID:	110007354308
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-10-28 00:00:00
Activity Status Date:	2010-10-28 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

MAP FINDINGS

CHERRY ISLAND RENEWABLE ENERGY, LLC 1706 E 12TH STREET, WILMINGTON, DE, 19809		1015890140
▲ A7	Target Property 26 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

ICIS: Other Ascertainable Records

Enforcement Action ID:	03-2004-0122
FRS ID:	110007354308
Action Name:	DELAWARE SOLID WASTE AUTHORITY d/b/a CHERRY ISLAND LANDFILL
Facility Name:	DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Facility Address:	1706 E 12TH STREET WILMINGTON, DE 19801
Enforcement Action Type:	CAA 113D1 Action For Penalty
Facility County:	NEW CASTLE
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	113D1
Facility SIC Code:	Not Reported
Federal Facility ID:	Not Reported
Latitude in Decimal Degrees:	39.737096
Longitude in Decimal Degrees:	-75.523548
Permit Type Desc:	Not Reported
Program System Acronym:	6386531
Facility NAICS Code:	Not Reported
Tribal Land Code:	Not Reported

Facility Name:	DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address:	1706 E 12TH STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	4953

Facility Name:	DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address:	1706 E 12TH STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	9511

Facility Name:	DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address:	1706 E 12TH STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	4953

CHERRY ISLAND RENEWABLE ENERGY, LLC, 1706 E 12TH STREET, WILMINGTON, DE 19809 (Continued)

Facility Name:	DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address:	1706 E 12TH STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	9511

Facility Name:	DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address:	1706 E 12TH STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	4953

Facility Name:	DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address:	1706 E 12TH STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	9511

Facility Name:	DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address:	1706 E 12TH STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	4953

Facility Name:	DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address:	1706 E 12TH STREET
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not Reported
SIC Code:	9511

FINDS: Other Ascertainable Records

Registry ID:	110054416280
Click Here:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110054416280

Environmental Interest/Information System:

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=6q0i60SAqg310nHkiJDt3bBB0zX9SrM8A8dyAW9XgTwi30OM1Bqk53JFnDkqHhOLk9Nl3v
ZpJIEIDdMHtorq4XBObkJABfwGBcZ8C9WpzZiBXTSS9MqlBYSZrqeMMzYT8QhE7lAu8j5adncdyimF4qipWi.S9sLvXIU.6Z7YqF4A0cg8iCiI3Cu.0
iOaScRBAHM69Q1kgFP035Jz1dYG4qhLnukaH6RUkkQN55alJLrsDBd6t1Au3jrbbilEBJ9YBJJ8AxwxzfdwXQzM9Vyn5ldRrjqGMfuQ88SX4rcX8Zj
OdTybyCUf6UGRqssr0NoYihwj4UHe0WEeSfX5ADIQ3bMvgUU53nle16WD9i1Vn7WEHZuqkRQeA7oKJPMnD0f7tgNAAQ5pbSSsBKfWBB94BIy
JzSBQXatJ9Z8k70PSrbVrM8sf8YtU9XWe8JNldaCCykpS6oBcW1Et9x6sXOmW2DR6TTVawA8diYrc5rUL0imKOoTxMSt.vZliBPGOqzXtk1qA6fZ
9qVp.0x1ViQr04Kc60RNMS7REAsyW3TrPgpxn3xev1ilF4P.XnrtNHuhMk3ek3IfKJ7rkDLGJt1nn4ZuEbVxWBFFNBhKq800fzQAZXWBQ9ZzUBs4
erKWvMi0b8dUjCVIf8YTGd9gvyH873hipWxxV9MiLX4ls4OsaTF8FwEFjic1u7hvv0T5OOfrFM3tD3ZD5B3eWqdwdkYFM3 additional records for this site. Please contact your EDR Account Executive for more information.

DSWA CHERRY ISLAND LANDFILL (NSWMC)
1706 EAST 12TH STREET, WILMINGTON, DE, 19809 **1018155498**

MAP FINDINGS

▲ A8	Target Property 26 ft. Above Sea Level	Lists of Federal RCRA generators Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

RCRA-VSQG: Lists of Federal RCRA generators

Date Form Received by Agency:	20150925
Handler Name:	DSWA CHERRY ISLAND LANDFILL (NSWMC)
Handler Address:	1706 EAST 12TH STREET
Handler City,State,Zip:	WILMINGTON, DE 19809
EPA ID:	DEN201500028
Contact Name:	JASON MUNYAN
Contact Address:	1128 SOUTH BRADFORD STREET
Contact City,State,Zip:	DOVER, DE 19904
Contact Telephone:	302-764-5385
Contact Fax:	000-000-0000
Contact Email:	Not Reported
Contact Title:	Not Reported
EPA Region:	03
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not Reported
Biennial Report Cycle:	Not Reported
Accessibility:	Not Reported
Active Site Indicator:	Handler Activities
State District Owner:	Not Reported
State District:	Not Reported
Mailing Address:	Not Reported
Mailing City,State,Zip:	Not Reported
Owner Name:	Not Reported
Owner Type:	Not Reported
Operator Name:	Not Reported
Operator Type:	Not Reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not Reported

DSWA CHERRY ISLAND LANDFILL (NSWMC), 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Active Site Converter Treatment storage and Disposal Facility:	Not Reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not Reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not Reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not Reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not Reported
Permit Workload Universe:	Not Reported
Permit Progress Universe:	Not Reported
Post-Closure Workload Universe:	Not Reported
Closure Workload Universe:	Not Reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not Reported
Full Enforcement Universe:	Not Reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not Reported
Handler Date of Last Change:	20151006
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not Reported
Manifest Broker:	Not Reported
Sub-Part P Indicator:	No

DSWA CHERRY ISLAND LANDFILL (NSWMC), 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Historic Generators:

Receive Date:	20150925
Handler Name:	DSWA CHERRY ISLAND LANDFILL (NSWMC)
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20150921
Actual Return to Compliance Date:	20150923
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	20151221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person:	DEAKK
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported

DSWA CHERRY ISLAND LANDFILL (NSWMC), 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20150921
Actual Return to Compliance Date:	20150921
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	20151221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person:	DEAKK
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

DSWA CHERRY ISLAND LANDFILL (NSWMC), 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Listing - General
Date Violation was Determined:	20150921
Actual Return to Compliance Date:	20150921
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	20151221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person:	DEAKK
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20150921
Actual Return to Compliance Date:	20151008
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	20151221

DSWA CHERRY ISLAND LANDFILL (NSWMC), 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person:	DEAKK
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20150921
Actual Return to Compliance Date:	20151029
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	20151221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported

DSWA CHERRY ISLAND LANDFILL (NSWMC), 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person:	DEAKK
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20150921
Actual Return to Compliance Date:	20151019
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	20151221
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	DE NOTICE OF VIOLATION (NOV)
Enforcement Responsible Person:	DEAKK
Enforcement Responsible Sub-Organization:	HW
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported

DSWA CHERRY ISLAND LANDFILL (NSWMC), 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Evaluation Action Summary:

Evaluation Date:	20150921
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAKK
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20150923
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	20150921
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAKK
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20150921
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	20150921
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAKK
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20150921
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported

DSWA CHERRY ISLAND LANDFILL (NSWMC), 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	20150921
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAKK
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20151008
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	20150921
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAKK
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20151029
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	20150921
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DEAKK
Evaluation Responsible Sub-Organization:	HW
Actual Return to Compliance Date:	20151019
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

FINDS: Other Ascertainable Records

Registry ID:	110066946522
Click Here:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066946522

Environmental Interest/Information System:

DSWA CHERRY ISLAND LANDFILL (NSWMC), 1706 EAST 12TH STREET, WILMINGTON, DE 19809 (Continued)

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=6M8M66x0Mkv58di9MqHt3WvS6TzrxbOI03CxA3jZk7Agvs9Y5m5o5W3Udo6PirpG9o7B3D msqNOwHiXNtaMi4vY6WoK8v4OiS6D0C8WaT3v3zLBgrVWqBeYsb4IeOfuCIuLj7w4d3dDgCZzKxMqF4FUb3gWJjTCiZSdI6l8PMl0V8TT8Mc4E 3h3j6U3DxcRR0Ff794WqkJnYvLb35L9I4qJgdnpOihDJ9jAV5uNVq5HFHC4ttYJx3YZ8WX5avWS8Si4bAlZ4T5F3zGhhrjC95SjkbnJKO9p5IPbp43l n3dNJC7VKxLlG66AjMrUd81teMh8h4spG613Qx7PN0Ko43T.4kEkwvzX.5VA09W5Qdc1xictO93hcA49TqLgBHaUrt0ejAtDZWh1GvTptSYtRBIdn TdLaz31irUkM7QQhbXvtOK5sISPO9qzV3aobC6T1xecM6.YZ3BZ6jSPfZ4pE24s.7bcbAaDQgzNL5Gmmskwh9NBsY7arvhvRmYnl5Jbdocxj6B3i MhNO8ejVMHnB44GH6udUx1ne0HLb3udWkTW.vEZQ5pXm4k6fd9xki87Z9BqT3mw.q8ShHJvotQWD4YEKWuPvvynXSKA5BLRqTMTWzxzTrF ew4c0hbB5NOQXXIp1j8wRw34FbCml5x8A68PgM3neHjljgZRn87.H.76I0A4e5gV3kCuhRs.sd9LwNYrgoBTxDmObO5jj7o.ZV3 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

Envid:	1018155498
Registry ID:	110066946522
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110066946522
Name:	DSWA CHERRY ISLAND LANDFILL (NSWMC)
Address:	1706 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19809

DELAWARE SOLID WASTE AUTHORITY 1706 E 12TH ST, WILMINGTON, DE, 19809		S119779983
▲ A9	Target Property	Lists of state and tribal landfills and solid waste disposal facilities
	26 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

SWF/LF: Lists of state and tribal landfills and solid waste disposal facilities

Name:	NORTHERN SOLID WASTE MANAGEMENT CENTER
Address:	1706 EAST 12TH STREET
City,State,Zip:	WILMINGTON, DE 19809
Facility Id:	10705604
PI Id:	16924
PI Name:	NORTHERN SOLID WASTE MANAGEMENT CENTER
Prog Id:	LF-0011
Additional Info:	Not Reported
Careof:	Not Reported
Reference Pt:	Unknown
Horizontal Method:	Client Supplied-Method Unknown
Loc Type:	F
XCoordinate Nad83 meters:	0
YCoordinate Nad83 meters:	0
Latitude Dec:	39.726408
Longitude Dec:	-75.2125
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	35.0688
Longitude Degrees:	-75

DELAWARE SOLID WASTE AUTHORITY, 1706 E 12TH ST, WILMINGTON, DE 19809 (Continued)

Longitude Minutes:	12
Longitude Seconds:	45
County:	Not Reported
State:	Not Reported
Town:	Wilmington
Po Name:	Not Reported
Zip5:	Not Reported
Tax Id:	Not Reported
Sewer District:	Not Reported
Flood Plain Zone Code:	Not Reported
Flood Plain Zone:	Not Reported
Basin:	Delaware Estuary
Watershed:	Delaware Estuary
Drbc Basin:	Not Reported
Quad:	PENNS GROVE
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not Reported
Water District:	Not Reported
Mod Grid:	Not Reported

TIER 2: Other Ascertainable Records

Name:	DELAWARE SOLID WASTE AUTHORITY
Address:	1706 E 12TH ST
City,State,Zip:	WILMINGTON, DE 19809
Facility ID:	Not Reported
Tier II Report Yr:	2015
Facility Corporate Name:	Not Reported
EHS Year:	Not Reported
CAS Number:	68476302
Chemical:	DIESEL FUEL
Facility Status:	Not Reported
Is EHS:	No
Is Containing EHS:	Not Reported
Tier II Report Yr:	2015
Facility Corporate Name:	Not Reported
EHS Year:	Not Reported
CAS Number:	N/A
Chemical:	ANTIFREEZING COMPOUND, [LIQUID]
Facility Status:	Not Reported
Is EHS:	No
Is Containing EHS:	Not Reported
Tier II Report Yr:	2015

DELAWARE SOLID WASTE AUTHORITY, 1706 E 12TH ST, WILMINGTON, DE 19809 (Continued)

Facility Corporate Name:	Not Reported
EHS Year:	Not Reported
CAS Number:	N/A
Chemical:	BRAKE FLUID, HYDRAULIC
Facility Status:	Not Reported
Is EHS:	No
Is Containing EHS:	Not Reported

Tier II Report Yr:	2015
Facility Corporate Name:	Not Reported
EHS Year:	Not Reported
CAS Number:	N/A
Chemical:	DIESEL EXHAUST FLUID
Facility Status:	Not Reported
Is EHS:	No
Is Containing EHS:	Not Reported

Tier II Report Yr:	2015
Facility Corporate Name:	Not Reported
EHS Year:	Not Reported
CAS Number:	N/A
Chemical:	LUBRICATING OIL
Facility Status:	Not Reported
Is EHS:	No
Is Containing EHS:	Not Reported

Tier II Report Yr:	2015
Facility Corporate Name:	Not Reported
EHS Year:	Not Reported
CAS Number:	N/A
Chemical:	OIL, [MOTOR]
Facility Status:	Not Reported
Is EHS:	No
Is Containing EHS:	Not Reported

Tier II Report Yr:	2015
Facility Corporate Name:	Not Reported
EHS Year:	Not Reported
CAS Number:	N/A
Chemical:	WINDSHIELD WASHER SOLVENT
Facility Status:	Not Reported
Is EHS:	No
Is Containing EHS:	Not Reported

DE SOLID WASTE AUTHORITY, CHERRY ISLAND
1706 E 12TH STREET, WILMINGTON, DE, 19809 1016068955

▲ A10	Target Property	Other Ascertainable Records
	26 ft. Above Sea Level	

MAP FINDINGS

Worksheet:

Impact on Target Property: VEC does not exist

FINDS: Other Ascertainable Records

Registry ID:	110007354308
Click Here:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110007354308

Environmental Interest/Information System:

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

STATE MASTER

AIR MAJOR

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

GREENHOUSE GAS REPORTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=6M8M66x0Mkv58di9MqHt3WvS6TzrxbOI03CxA3jZk7Agvs9Y5m5o5W3Udo6PirpG9o7B3DmsqNOwHiXNtaMi4vY6WoK8v4OiS6D0C8WaT3v3zLBgrVWqBeYsb4IeOfuCIuLj7w4d3dDgCZzKxMqF4FUb3gWJjTCiZSdI6l8PMl0V8TT8Mc4E3h3j6U3DxcRR0Ff794WqkJnYvLb35L9I4qJgdnpOihDJ9jAV5uNVq5HFHC4ttYJx3YZ8WX5avWS8Si4bAlZ4T5F3zGhhrjC95SjkbnJKO9p5IPbp43ln3dNJC7VKxLlG66AjMrUd81teMh8h4spG613Qx7PN0Ko43T.4kEkwvzX.5VA09W5Qdc1xictO93hcA49TqLgBHaUrt0ejAtDZWh1GvTptSYtRBIdnTdLaz31irUkM7QQhbXvtOK5sISPO9qzV3aobC6T1xecM6.YZ3BZ6jSPfZ4pE24s.7bcbAaDQgzNL5Gmmskwh9NBsY7arvhvRmYnl5Jbdocxj6B3iMhNO8ejVMHnB44GH6udUx1ne0HLb3udWkTW.vEZQ5pXm4k6fd9xki87Z9BqT3mw.q8ShHJvotQWD4YEKWuPvvynXSKA59LRqTMTWzxzTrFew3c0hbB5NOQXXIp1j9wRw34FbCml5x8A6BPgM3neHjljgZRn8C.H.76I0A4e5gV3k8uhRs.sd9LwNYrgo8TxDmObO5jj7o.ZV3 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

Envid:	1016068955
Registry ID:	110007354308
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110007354308
Name:	DE SOLID WASTE AUTHORITY, CHERRY ISLAND
Address:	1706 E 12TH STREET
City,State,Zip:	WILMINGTON, DE 19809

SALVAGE YARD RELOCATION AREA II INTERSECTION OF 12TH STREET AND RTE 495, WILMINGTON, DE, 19802			1006976459
◆ 11	N 1/10 - 1/3	(932 ft. / 0.176 mi.)	Local Brownfield lists
	17 ft. Lower Elevation	9 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Both COC & PHC: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

US BROWNFIELDS: Local Brownfield lists

Name:	SALVAGE YARD RELOCATION AREA II
Address:	INTERSECTION OF 12TH STREET AND RTE 495
City,State,Zip:	WILMINGTON, DE 19802
Recipient Name:	R3 TBA - Delaware (Pre-law Superfund TBA)
Grant Type:	TBA
Property Number:	-
Parcel size:	4
Latitude:	39.7314
Longitude:	-75.5244
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	10196
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	08/26/2000
Ownership Entity:	-
Completion Date:	08/26/2000
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-
Photo Available:	-

SALVAGE YARD RELOCATION AREA II, INTERSECTION OF 12TH STREET AND RTE 495, WILMINGTON, DE 19802 (Continued)

Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not Reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-

SALVAGE YARD RELOCATION AREA II, INTERSECTION OF 12TH STREET AND RTE 495, WILMINGTON, DE 19802 (Continued)

Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not Reported
Property Description:	-
Below Poverty Number:	-
Below Poverty Percent:	-
Meidan Income:	-
Meidan Income Number:	-
Meidan Income Percent:	-
Vacant Housing Number:	-
Vacant Housing Percent:	-
Unemployed Number:	-
Unemployed Percent:	-

UP THE CREEK RESTAURANT
1195 E. SEVENTH STREET, WILMINGTON, DE, 19801 S107768945

◆ B12	NNW 1/10 - 1/3	(1150 ft. / 0.218 mi.)	Lists of state and tribal brownfield sites
	16 ft. Lower Elevation	10 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist
Conditions:

Both COC & PHC: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES
Geological Attributes - Hydraulic Barrier:

River: YES

DE BROWNFIELD: Lists of state and tribal brownfield sites

Name:	UP THE CREEK RESTAURANT
Address:	1195 E. SEVENTH STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1384
Certification Date:	4.13.06
Acreage:	4.52+/-

UP THE CREEK RESTAURANT AND MARINA
1195 EAST 7TH STREET, WILMINGTON, DE, 19801 S107673566

◆ B13	NNW 1/10 - 1/3	(1150 ft. / 0.218 mi.)	Lists of state- and tribal hazardous waste facilities State and tribal institutional control / engineering control registries
	16 ft. Lower Elevation	10 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist
Conditions:

Both COC & PHC: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES
Geological Attributes - Hydraulic Barrier:

River: YES

SHWS: Lists of state- and tribal hazardous waste facilities

Name:	UP THE CREEK RESTAURANT AND MARINA
Address:	1195 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10153131
Site Type:	Other Retail

UP THE CREEK RESTAURANT AND MARINA, 1195 EAST 7TH STREET, WILMINGTON, DE 19801 (Continued)

Care Of:	Not Reported
PI ID:	129467
Prog ID:	DE-1384
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190313.09
YCoordinate NAD83 Meters:	192413.78
Latitude Dec:	39.733188
Longitude Dec:	-75.529748
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	59.4768
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.0928
PO Name:	Wilmington
Tax ID:	Not Reported
Sewer District:	Not Reported
Floodplain Zone Code:	Not Reported
Flood Plain Zone:	Not Reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not Reported
Water District:	Not Reported
Mod Grid:	Not Reported

Inst Control: State and tribal institutional control / engineering control registries

Name:	UP THE CREEK RESTAURANT AND MARINA
Address:	1195 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	DE-1384
Report Title:	Deed Restriction Sites
Site Type:	State Funded Brownfield
Deed Restriction Date:	01/08/2016
Restrictions:	1) Interference with the Remedy, 2) Limitation of Groundwater Withdrawal, 3) Compliance with LTS Plan, Compliance with CMMP.

DP&L SUBSTATION/ DUPONT CHRISTINA LABS
SOUTH WILMINGTON, WILMINGTON, DE, 19801 S106177126

◆ 14	WNW 1/10 - 1/3	(1228 ft. / 0.233 mi.)	Lists of state- and tribal hazardous waste facilities
	17 ft. Lower Elevation	9 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Both COC & PHC: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

Geological Attributes - Hydraulic Barrier:

River: YES

SHWS: Lists of state- and tribal hazardous waste facilities

Name:	DP&L SUBSTATION/ DUPONT CHRISTINA LABS
Address:	SOUTH WILMINGTON
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056264
Site Type:	Other
Care Of:	Not Reported
PI ID:	27059
Prog ID:	DE-1074
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189692.88
YCoordinate NAD83 Meters:	192113.18
Latitude Dec:	39.727778
Longitude Dec:	-75.536385
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	40.0008
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	10.986
PO Name:	Wilmington
Tax ID:	Not Reported
Sewer District:	Unknown
Floodplain Zone Code:	Not Reported
Flood Plain Zone:	Not Reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown

DP&L SUBSTATION/ DUPONT CHRISTINA LABS, SOUTH WILMINGTON, WILMINGTON, DE 19801 (Continued)

House District:	16
Representative:	Representative Franklin D. Cooke
School District:	Indian River
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not Reported
Water District:	Not Reported
Mod Grid:	Not Reported

DP/DUPONT CHRISTINA LABS-DP 500 CHRISTIANA AVE, WILMINGTON, DE, 19801			1012100341
◆ C15	W 1/10 - 1/3	(1469 ft. / 0.278 mi.)	Local Brownfield lists
	18 ft. Lower Elevation	8 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Both COC & PHC: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

Geological Attributes - Hydraulic Barrier:

River: YES

US BROWNFIELDS: Local Brownfield lists

Name:	DP/DUPONT CHRISTINA LABS-DP
Address:	500 CHRISTIANA AVE
City,State,Zip:	WILMINGTON, DE 19801
Recipient Name:	R3 TBA - Delaware (Pre-law Superfund TBA)
Grant Type:	TBA
Property Number:	-
Parcel size:	65
Latitude:	39.727778
Longitude:	-75.536389
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	10249
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-

DP/DUPONT CHRISTINA LABS-DP, 500 CHRISTIANA AVE, WILMINGTON, DE 19801 (Continued)

Cleanup Funding Source:	-
Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	02/01/1998
Ownership Entity:	-
Completion Date:	02/01/1998
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not Reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-

DP/DUPONT CHRISTINA LABS-DP, 500 CHRISTIANA AVE, WILMINGTON, DE 19801 (Continued)

PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-

DP/DUPONT CHRISTINA LABS-DP, 500 CHRISTIANA AVE, WILMINGTON, DE 19801 (Continued)

Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not Reported
Property Description:	-
Below Poverty Number:	345
Below Poverty Percent:	28.26
Meidan Income:	12712
Meidan Income Number:	677
Meidan Income Percent:	55.45
Vacant Housing Number:	201
Vacant Housing Percent:	25.37
Unemployed Number:	96
Unemployed Percent:	7.86

DP/DUPONT CHRISTINA LABS-DUPONT 500 CHRISTIANA AVE, WILMINGTON, DE, 19801			1016348399
◆ C16	W 1/10 - 1/3	(1469 ft. / 0.278 mi.)	Local Brownfield lists Other Ascertainable Records
	18 ft. Lower Elevation	8 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Both COC & PHC: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

Geological Attributes - Hydraulic Barrier:

River: YES

US BROWNFIELDS: Local Brownfield lists

Name:	DP/DUPONT CHRISTINA LABS-DUPONT
Address:	500 CHRISTIANA AVE
City,State,Zip:	WILMINGTON, DE 19801
Recipient Name:	R3 TBA - Delaware (Pre-law Superfund TBA)
Grant Type:	TBA
Property Number:	-
Parcel size:	65
Latitude:	39.727778
Longitude:	-75.536389
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-

DP/DUPONT CHRISTINA LABS-DUPONT, 500 CHRISTIANA AVE, WILMINGTON, DE 19801 (Continued)

Datum:	-
Acres Property ID:	10250
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	02/01/1998
Ownership Entity:	-
Completion Date:	02/01/1998
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-

DP/DUPONT CHRISTINA LABS-DUPONT, 500 CHRISTIANA AVE, WILMINGTON, DE 19801 (Continued)

No media affected:	Not Reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-

DP/DUPONT CHRISTINA LABS-DUPONT, 500 CHRISTIANA AVE, WILMINGTON, DE 19801 (Continued)

Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not Reported
Property Description:	-
Below Poverty Number:	345
Below Poverty Percent:	28.26
Meidan Income:	12712
Meidan Income Number:	677
Meidan Income Percent:	55.45
Vacant Housing Number:	201
Vacant Housing Percent:	25.37
Unemployed Number:	96
Unemployed Percent:	7.86

FINDS: Other Ascertainable Records

Registry ID:	110038742377
Click Here:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110038742377

Environmental Interest/Information System:

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

TSCA SUBMITTER

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4FC4gHFh2C0o2Nsg.qHDg9FohZ92QX4sG08Go6z2ITN0bs4B3tk.SoqS.BjLDTfg6FAw4F
GYomO6xuZJW9YV3vGQ.CXvi4MRFw7C7a267gSeHJY8YqhUW2YJ3f703joKs4NhNjqsDU2i0.WLqGR9rYDjJgII4UeFrKo583T0ZQI9tl4A2F5XC
4U38fg.AHzK2jbhpM2AY8XB0XOou39f6NW0s5l9V2.ImqjiAyGDnbgbp6IhFfHoSF8zsZ2A9wS5SXQyBXH61lasGaGot4zG8w2GdRuam6YBzNW4
4CFWuCGY3GsgawHs72sRhWC2Sm3Fj07goUw2vQNFJs0y3j4.NNqnD8JXDxQgEg5alFBioQF69YZij92QA7wQK3XdI52csxXGO3BaV8MFG0F
BFl6yTzaO2 additional records for this site. Please contact your EDR Account Executive for more information.

SALVAGE YARD RELOCATION AREA II
0 I-495 NB, WILMINGTON, DE, 19801 S109484977

◆ 17	N 1/10 - 1/3	(1476 ft. / 0.28 mi.)	Lists of state- and tribal hazardous waste facilities
	17 ft. Lower Elevation	9 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Both COC & PHC: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

SHWS: Lists of state- and tribal hazardous waste facilities

Name:	SALVAGE YARD RELOCATION AREA II
Address:	0 I-495 NB
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056509
Site Type:	Other
Care Of:	Not Reported
PI ID:	27304
Prog ID:	DE-1166
Additional Info:	Federally Funded Brownfield
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190831.7
YCoordinate NAD83 Meters:	192275
Latitude Dec:	39.732752
Longitude Dec:	-75.523128
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	57.9072
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	23.2608
PO Name:	Wilmington
Tax ID:	Not Reported
Sewer District:	Not Reported
Floodplain Zone Code:	Not Reported
Flood Plain Zone:	Not Reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not Reported
Water District:	Not Reported
Mod Grid:	Not Reported

Name:	SALVAGE YARD RELOCATION AREA II
Address:	0 I-495 NB
City,State,Zip:	WILMINGTON, DE 19801

SALVAGE YARD RELOCATION AREA II, 0 I-495 NB, WILMINGTON, DE 19801 (Continued)

Facility ID:	10056509
Site Type:	Other
Care Of:	Not Reported
PI ID:	27304
Prog ID:	DE-1166
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190831.7
YCoordinate NAD83 Meters:	192275
Latitude Dec:	39.732752
Longitude Dec:	-75.523128
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	57.9072
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	23.2608
PO Name:	Wilmington
Tax ID:	Not Reported
Sewer District:	Not Reported
Floodplain Zone Code:	Not Reported
Flood Plain Zone:	Not Reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not Reported
Water District:	Not Reported
Mod Grid:	Not Reported

EAST 7TH ST PENINSULA - SOUTH 7TH STREET, WILMINGTON, DE, 19801			S103684335
◆ 18	NNW 1/10 - 1/3	(1630 ft. / 0.309 mi.)	Lists of state- and tribal hazardous waste facilities
	13 ft. Lower Elevation	13 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Both COC & PHC: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

Geological Attributes - Hydraulic Barrier:

River: YES

SHWS: Lists of state- and tribal hazardous waste facilities

Name:	EAST 7TH ST PENINSULA - SOUTH
Address:	7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056529
Site Type:	Contaminated Backfill
Care Of:	Not Reported
PI ID:	27307
Prog ID:	DE-1127
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190197.46
YCoordinate NAD83 Meters:	192665.01
Latitude Dec:	39.734631
Longitude Dec:	-75.529817
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.6716
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.3412
PO Name:	Wilmington
Tax ID:	Not Reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not Reported
Flood Plain Zone:	Not Reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not Reported
Water District:	Not Reported
Mod Grid:	Not Reported

Name:	EAST 7TH ST PENINSULA - SOUTH
Address:	7TH STREET

EAST 7TH ST PENINSULA - SOUTH, 7TH STREET, WILMINGTON, DE 19801 (Continued)

City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10056529
Site Type:	Contaminated Backfill
Care Of:	Not Reported
PI ID:	27307
Prog ID:	DE-1127
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190197.46
YCoordinate NAD83 Meters:	192665.01
Latitude Dec:	39.734631
Longitude Dec:	-75.529817
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.6716
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.3412
PO Name:	Wilmington
Tax ID:	Not Reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not Reported
Flood Plain Zone:	Not Reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not Reported
Water District:	Not Reported
Mod Grid:	Not Reported

DP/CONGO MARSH-CONGO 1599 A ST, WILMINGTON, DE, 19801			1016348397
◆ D19	WNW 1/10 - 1/3	(1723 ft. / 0.326 mi.)	Local Brownfield lists Other Ascertainable Records
	19 ft. Lower Elevation	7 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Both COC & PHC: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

Geological Attributes - Hydraulic Barrier:

River: YES

US BROWNFIELDS: Local Brownfield lists

Name:	DP/CONGO MARSH-CONGO
Address:	1599 A ST
City,State,Zip:	WILMINGTON, DE 19801
Recipient Name:	R3 TBA - Delaware (Pre-law Superfund TBA)
Grant Type:	TBA
Property Number:	-
Parcel size:	10
Latitude:	39.727778
Longitude:	-75.539167
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	10246
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	03/01/1999
Ownership Entity:	-
Completion Date:	03/01/1999
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-

DP/CONGO MARSH-CONGO, 1599 A ST, WILMINGTON, DE 19801 (Continued)

Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not Reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-

DP/CONGO MARSH-CONGO, 1599 A ST, WILMINGTON, DE 19801 (Continued)

Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not Reported
Property Description:	-
Below Poverty Number:	381
Below Poverty Percent:	28.84
Meidan Income:	13901
Meidan Income Number:	732
Meidan Income Percent:	55.41
Vacant Housing Number:	211
Vacant Housing Percent:	24.66
Unemployed Number:	101
Unemployed Percent:	7.65

FINDS: Other Ascertainable Records

Registry ID:	110038742359
Click Here:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110038742359

DP/CONGO MARSH-CONGO, 1599 A ST, WILMINGTON, DE 19801 (Continued)

Environmental Interest/Information System:

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2z2Fzk13Fh8CkV3D3t11hi2ICxARVU9.DB5ItP2E1C2Mz814FI7VkW2i333bhN12Cq89VK3dDF2btU2XzY2lFd1ekx7O3C8FhZ8FCe9XV95lDo7Ztk4I1K0iin3SImt6xq2Szd2aFZ1Ike2c3H1bhE2pCS78V14PDa5Gte951O4QiOAEI.8TxJ1 additional records for this site. Please contact your EDR Account Executive for more information.

DP/CONGO MARSH-DELMARVA POWER 1599 A ST, WILMINGTON, DE, 19801			1014933333
◆ D20	WNW 1/10 - 1/3	(1723 ft. / 0.326 mi.)	Local Brownfield lists
	19 ft. Lower Elevation	7 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Both COC & PHC: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

Geological Attributes - Hydraulic Barrier:

River: YES

US BROWNFIELDS: Local Brownfield lists

Name:	DP/CONGO MARSH-DELMARVA POWER
Address:	1599 A ST
City,State,Zip:	WILMINGTON, DE 19801
Recipient Name:	R3 TBA - Delaware (Pre-law Superfund TBA)
Grant Type:	TBA
Property Number:	-
Parcel size:	10
Latitude:	39.727778
Longitude:	-75.539167
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	10245
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-

DP/CONGO MARSH-DELMARVA POWER, 1599 A ST, WILMINGTON, DE 19801 (Continued)

Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	n/a
Start Date:	03/01/1999
Ownership Entity:	-
Completion Date:	03/01/1999
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not Reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-

DP/CONGO MARSH-DELMARVA POWER, 1599 A ST, WILMINGTON, DE 19801 (Continued)

PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-

DP/CONGO MARSH-DELMARVA POWER, 1599 A ST, WILMINGTON, DE 19801 (Continued)

Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not Reported
Property Description:	-
Below Poverty Number:	381
Below Poverty Percent:	28.84
Meidan Income:	13901
Meidan Income Number:	732
Meidan Income Percent:	55.41
Vacant Housing Number:	211
Vacant Housing Percent:	24.66
Unemployed Number:	101
Unemployed Percent:	7.65

1190 E. 7TH ST 1190 EAST 7TH STREET, WILMINGTON, DE, 19801		S108514910	
◆ 21	NNW 1/10 - 1/3	(1724 ft. / 0.327 mi.)	Lists of state- and tribal hazardous waste facilities Lists of state and tribal brownfield sites
	17 ft. Lower Elevation	9 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Both COC & PHC: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

Geological Attributes - Hydraulic Barrier:

River: YES

SHWS: Lists of state- and tribal hazardous waste facilities

Name:	1190 E. 7TH ST
Address:	1190 EAST 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
Facility ID:	10154212
Site Type:	Landfill-Municipal/Industrial
Care Of:	Not Reported
PI ID:	219999
Prog ID:	DE-1410
Additional Info:	State Funded Brownfield
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190211.07
YCoordinate NAD83 Meters:	192555.07

1190 E. 7TH ST, 1190 EAST 7TH STREET, WILMINGTON, DE 19801 (Continued)

Latitude Dec:	39.734514
Longitude Dec:	-75.530879
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.2504
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	51.1644
PO Name:	Wilmington
Tax ID:	Not Reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not Reported
Flood Plain Zone:	Not Reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Darius J. Brown
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Lake Forest
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not Reported
Water District:	Not Reported
Mod Grid:	112-356

DE BROWNFIELD: Lists of state and tribal brownfield sites

Name:	1190 E. 7TH STREET PROPERTY
Address:	1190 E. 7TH STREET
City,State,Zip:	WILMINGTON, DE 19801
edr_fcity:	WILMINGTON
Facility ID:	DE-1410
Certification Date:	6.06.07
Acreage:	1.44+/-

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	10/20/2021	11/05/2021	11/29/2021
US	Proposed NPL	Proposed National Priority List Sites	EPA	10/20/2021	11/05/2021	11/29/2021
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	10/20/2021	11/05/2021	11/29/2021
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	09/13/2021	09/15/2021	10/12/2021
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	09/13/2021	09/15/2021	10/12/2021
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	09/13/2021	09/15/2021	10/12/2021
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	09/13/2021	09/15/2021	10/12/2021
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	09/13/2021	09/15/2021	10/12/2021
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	07/12/2021	08/06/2021	10/22/2021
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	08/23/2021	08/23/2021	11/12/2021
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	08/23/2021	08/23/2021	11/12/2021
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/14/2021	06/17/2021	08/17/2021
State and tribal - equivalent CERCLIS						
DE	SHWS	Hazardous Substance Release Sites	Department of Natural Resources and Environme	08/09/2021	08/10/2021	11/02/2021
State and tribal landfill / solid waste disposal						
DE	SWF/LF	Solid Waste Facilities	Department of Natural Resources and Environme	06/23/2021	06/23/2021	09/20/2021
State and tribal leaking storage tank lists						
DE	LUST	Leaking Underground Storage Tank Project Listing	Department of Natural Resources and Environme	07/12/2021	07/13/2021	09/30/2021
DE	LAST	Leaking Aboveground Storage Tank Sites	Department of Natural Resources & Control	07/12/2021	07/13/2021	09/30/2021
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	05/17/2021	06/11/2021	09/07/2021
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/06/2021	06/11/2021	09/07/2021
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/27/2021	06/11/2021	09/07/2021
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	05/27/2021	06/11/2021	09/07/2021
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	05/27/2021	06/11/2021	09/07/2021
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	06/01/2021	06/11/2021	09/07/2021
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/28/2021	06/11/2021	09/07/2021
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/28/2021	06/22/2021	09/20/2021

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal registered storage tank lists						
DE	UST	Underground Storage Tank Database	Department of Natural Resources and Environme	07/12/2021	07/13/2021	09/30/2021
DE	AST	Aboveground Storage Tank Sites	Department of Natural Resources and Environme	06/23/2021	06/23/2021	09/20/2021
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	05/27/2021	06/11/2021	09/07/2021
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/28/2021	06/22/2021	09/20/2021
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/28/2021	06/11/2021	09/07/2021
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/27/2021	06/11/2021	09/07/2021
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/06/2021	06/11/2021	09/07/2021
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	06/01/2021	06/11/2021	09/07/2021
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	05/27/2021	06/11/2021	09/07/2021
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	05/17/2021	06/11/2021	09/07/2021
US	FEMA UST	Underground Storage Tank Listing	FEMA	01/29/2021	02/17/2021	03/22/2021
State and tribal institutional control / engineering control registries						
DE	Inst Control	All Sites with Deed Restrictions	Department of Natural Resources & Environment	08/05/2021	08/12/2021	11/09/2021
State and tribal voluntary cleanup sites						
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
DE	VCP	Voluntary Cleanup Program Sites	Department of Natural Resources & Environment	08/09/2021	08/10/2021	11/02/2021
State and tribal Brownfields sites						
DE	BROWNFIELDS	Certified Brownfields	Dept. of Natural Resources & Environmental Co	07/01/2021	07/29/2021	10/25/2021
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2021	07/14/2021	07/16/2021
US	ROD	Records Of Decision	EPA	10/20/2021	11/05/2021	11/29/2021
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	10/20/2021	11/05/2021	11/29/2021
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
DE	SWRCY	Recyclers Directory	Delaware Econonmic Development Office	06/22/2021	06/23/2021	09/20/2021
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	10/20/2021	11/05/2021	11/29/2021
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	05/18/2021	05/18/2021	08/03/2021
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2019	12/01/2020	02/09/2021
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	09/13/2021	09/15/2021	09/28/2021
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	Delisted NPL	National Priority List Deletions	EPA	10/20/2021	11/05/2021	11/29/2021
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	10/20/2021	11/05/2021	11/29/2021
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	09/13/2021	09/15/2021	10/12/2021

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	09/12/2021	09/13/2021	09/28/2021
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	05/18/2021	05/18/2021	08/03/2021
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/10/2021	06/10/2021	08/17/2021
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	08/10/2021	08/17/2021	10/22/2021
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	06/30/2021	07/01/2021	09/28/2021
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/09/2021	08/24/2021	11/19/2021
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	12/30/2020	01/14/2021	03/05/2021
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	07/19/2021	07/19/2021	10/12/2021
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	11/19/2020	01/08/2021	03/22/2021
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	07/29/2021	08/24/2021	11/19/2021
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	05/05/2021	05/18/2021	08/17/2021
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	10/20/2021	11/05/2021	11/12/2021
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2017	06/22/2020	11/20/2020
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	06/15/2021	06/16/2021	08/17/2021
DE	AIRS	Air Emissions Listing	Department of Natural Resources & Environment	06/23/2021	06/23/2021	09/20/2021
DE	DRYCLEANERS	DRYCLEANERS	Department of Natural Resources & Environment	08/19/2021	08/23/2021	11/15/2021
DE	ENFORCEMENT	Notice of Violations	Department of Natural Recourses & Conservatio	07/22/2021	07/23/2021	10/14/2021
DE	Financial Assurance 1	Financial Assurance Information Listing	Department of Natural Resources & Environment	01/10/2018	01/11/2018	01/16/2018
DE	Financial Assurance 2	Financial Assurance Information Listing	Department of Natural Resources & Environment	01/10/2018	01/11/2018	02/21/2018
DE	Financial Assurance 3	Financial Assurance Information Listing	Department of Natural Resources & Environment	07/12/2021	07/13/2021	09/30/2021
DE	NPDES	Wasterwater Permit Listing	Department of Natural Resources & Environment	06/23/2021	06/23/2021	09/20/2021
DE	SPILLS	Environmental Release Notification System	Department of Natural Resources & Environment	07/23/2021	07/23/2021	10/15/2021
DE	TIER 2	Tier 2 Facility Listing	Department of Natural Resources & Environment	12/31/2019	11/12/2020	01/27/2021
DE	UIC	Underground Injection Wells Inventory Listing	DNREC	08/02/2021	08/03/2021	10/26/2021
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2018	07/02/2020	09/17/2020
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	05/25/2021	06/24/2021	09/20/2021
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/26/2021	07/01/2021	09/28/2021

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
DE	PFAS	PFAS Information Listing	DNREC	07/15/2021	07/15/2021	10/28/2021
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/13/2021	08/13/2021	10/22/2021
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
DE	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Natural Resources and Environme		07/01/2013	01/15/2014
DE	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Natural Resources and Environme		07/01/2013	01/17/2014
DE	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	EDR		07/01/2013	05/15/2014

STREET AND ADDRESS INFORMATION

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APPENDIX G

Connor Firor

From: DNREC FOIA <support@nextrequest.com>
Sent: Wednesday, January 19, 2022 8:30 AM
To: Connor Firor
Subject: Your DNREC public records request #22-58 has been opened.

Caution! This message was sent from outside your organization. Allow sender | Block sender

-- Attach a non-image file and/or reply ABOVE THIS LINE with a message, and it will be sent to staff on this request. --

DNREC Public Records

Your record request #22-58 has been submitted. It is currently under review and is not available for the general public to view.

Thank you for your FOIA inquiry to DNREC.

In accordance with Delaware's FOIA statute, within 15 business days you will receive a further response from DNREC substantively responding to your FOIA request or otherwise responding consistent with Delaware's FOIA statute.

You will receive additional communication as we process your request.

View Request 22-58

https://dnrec-de.nextrequest.com/requests/22-58

As the requester, you can always see the status of your request by signing in to the DNREC Public Records Request site here. If you haven't already signed in to your account, you may need to activate your account to sign in.



POWERED BY NEXTREQUEST

The All in One Records Requests Platform

Questions about your request? Reply to this email or sign in to contact staff at DNREC.

Technical support: See our help page

Connor Firor

From: DNREC FOIA <support@nextrequest.com>
Sent: Wednesday, February 2, 2022 2:16 PM
To: Connor Firor
Subject: Your DNREC public records request #22-58 has been closed.

Follow Up Flag: Follow up
Flag Status: Flagged

Caution! This message was sent from outside your organization. Allow sender | Block sender

-- Attach a non-image file and/or reply ABOVE THIS LINE with a message, and it will be sent to staff on this request. --

DNREC Public Records

Record request #22-58 has been closed. The closure reason supplied was:

Dear Mr. Firor,

This email is in response to your Freedom of Information Act (FOIA) request. You requested:

Environmental Standards is conducting a Phase I ESA at the property "SALVAGE YARD RELOCATION AREA II" at the listed address "INTERSECTION OF 12TH STREET AND RTE 495, Wilmington, DE 19802" and is requesting any environmental records associated with the site.

A records search by the Division of Waste and Hazardous Substances, the Division of Air Quality, and the Division of

Community Affairs (ECU) returned no records responsive to your inquiry.

Thank you for your FOIA inquiry. DNREC considers your request closed at this time.

S. Lee Sobocinski
DNREC FOIA Coordinator
391 Lukens Drive, New Castle, Delaware 19720
Email: DNREC.FOIA@delaware.gov
Phone: 302-395-2600
Fax: 302-395-2555

View Request 22-58

https://dnrec-de.nextrequest.com/requests/22-58

POWERED BY NEXTREQUEST

The All in One Records Requests Platform

Questions about your request? Reply to this email or sign in to contact staff at DNREC.

Technical support: See our help page

Preview Request

The Freedom of Information Act (FOIA) is a federal law that gives the public the right to make requests for federal agency records. Agencies may withhold information according to nine exemptions contained in the statute. The FOIA applies only to federal agencies. It does not apply to records held by Congress, the courts, or by state or local government agencies. Each state has its own public access laws that should be consulted for access to state and local records.

* indicates a required field.

Agency Selection

Agency	Environmental Protection Agency
Sub Agency	Environmental Protection Agency (General)

- **Environmental Consulting Firms**
- **Mortgage Banks**
- **Real Estate Agents**

looking for PROPERTY INFORMATION, find public records without filing a FOIA request.

SEARCH THESE EPA WEBSITES

MyProperty portal: http://www.epa.gov/myproperty

Envirofacts: https://enviro.epa.gov/index.html

Your search results are identical to results you would receive by filing a FOIA request.

Request Type

Request Type	FOIA

Contact Information

Salutation	Mr.
First Name	Connor
Middle Initial	
Last Name	Firor
Email Address	cfiror@envstd.com
Organization	
Phone Number	6104052710
Fax Number	
Mailing Address Location	United States/US Territories
Address Line 1	1140 Valley Forge Road
Address Line 2	
City	Valley Forge
State/Province	Pennsylvania
Zip Code/Postal Code	19482

Processing Fees

Will Pay Up To $100.00

Description

Description Environmental Standards is conducting a Phase I ESA at the property "SALVAGE YARD RELOCATION AREA II" at the listed address "INTERSECTION OF 12TH STREET AND RTE 495, Wilmington, DE 19802" and is requesting any environmental records associated with this site.

Request Expedited Processing

Make Request? No

Request a Fee Waiver

Make Request? No

Additional Information

Records Locations - Identify one or more locations where records may be located Region 3 - DC DE MD PA VA WV

Attach Supporting Files

No supporting files have been uploaded.

I Agree.
I have read the Privacy and Security Notice and agree to the terms set forth.

I Agree.
Affirmation. Pursuant to 28 USC § 1746, I declare and affirm that under penalty of perjury under the laws of the United States of America that all of the foregoing information, statements, and signatures submitted in connection with this request and in any supporting documents are true and correct to the best of my knowledge.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

February 2, 2022

Mr. Connor Firor
Environmental Standards, Inc.
1140 Valley Forge Road
Valley Forge, Pennsylvania 19482

Re: Freedom of Information Act (FOIA) Request EPA-R3-2022-001954 – Final Response

Dear Mr. Firor:

This letter concerns the above-referenced FOIA request, received by the U.S. Environmental Protection Agency (EPA or Agency) on January 17, 2022, in which you requested information regarding the Salvage Yard Relocation Area II property located at 12th Street & Route 495 in Wilmington, Delaware. Please be advised that no records were found responsive to your request.

This letter concludes our response to your request. You may appeal this determination by email at hq.foia@epa.gov, or by mail to the EPA's National FOIA Office, U.S. EPA, 1200 Pennsylvania Avenue, N.W. (2310A), Washington, DC 20460 or through FOIAonline if you are an account holder. If you are submitting your appeal by hand delivery, courier service, or overnight delivery, you must address your correspondence to 1200 Pennsylvania Avenue, N.W., WJC-N Building, Room 7309C, Washington, DC 20460.

Your appeal must be in writing, and it must be received no later than 90 calendar days from the date of this letter. The Agency will not consider appeals received after the 90-calendar-day limit. Appeals received after 5:00 p.m. EST will be considered received the next business day. The appeal letter should include the FOIA tracking number listed above. For quickest possible handling, the subject line of your email, the appeal letter, and its envelope, if applicable, should be marked "Freedom of Information Act Appeal."

If you need any further assistance or would like to discuss any aspect of your request, you may seek assistance from EPA's FOIA Public Liaison at hq.foia@epa.gov or call 202-566-1667. You may also seek assistance from the Office of Government Information Services (OGIS). You may contact OGIS in any of the following ways: by mail, Office of Government Information Services, National Archives and Records Administration, 8601 Adelphi Road, College Park, Maryland 20740-6001; email: ogis@nara.gov; telephone: 202-741-5770 or 877-684-6448; or fax: 202-741-5769. For all media inquiries, please contact press@epa.gov.

If you have any questions, please do not hesitate to contact Ms. Donna Bostic, FOIA Project Manager, at 215-814-2608 or bostic.donna@epa.gov.

Sincerely,

Michael D'Andrea
Chief, FOIA Branch

Connor Firor

From: Dorien Snyder <DSNYDER@wilmingtonde.gov>
Sent: Tuesday, January 11, 2022 10:16 AM
To: Connor Firor
Subject: FW: [EXTERNAL] Wilmington, DE: FOIA Request for City of Wilmington Public Records

Follow Up Flag: Follow up
Flag Status: Completed

Caution! This message was sent from outside your organization. Allow sender | Block sender

Connor,

Please visit the Delaware Department of Natural Resources and Environmental Control (DNREC) at https://dnrec.alpha.delaware.gov/ regarding environmental records.

Regards,

Dorien M. Snyder|Planner I
City of Wilmington
Department of Planning and Development
Louis L. Redding City/County Building
800 N. French Street, 7th Floor
Wilmington, DE 19801
(302) 576-3116

From: noreply@wilmingtonde.gov <noreply@wilmingtonde.gov>
Sent: Monday, January 10, 2022 10:52 AM
To: Dorien Snyder <DSNYDER@wilmingtonde.gov>; John D. Hawley <jdhawley@wilmingtonde.gov>
Subject: [EXTERNAL] Wilmington, DE: FOIA Request for City of Wilmington Public Records

A new entry to a form/survey has been submitted.

Form Name:	Public Records Request - Planning and Development
Date & Time:	01/10/2022 10:51 AM
Response #:	324
Submitter ID:	62871
IP address:	199.195.134.132
Time to complete:	0 min. , 22 sec.

Survey Details

Page 1

1. Requestor

Name	Connor Firor
Mailing Address	1140 Valley Forge Road
Floor/Suite/Apt #	Not answered
City	Valley Forge
State	Pennsylvania
Zip Code:	19482
Phone	(610) 405-2710
Email Address	cfiror@envstd.com

2. Records Requested

Be as specific as you can, describing types of records, dates, party(ies) to correspondence, subject matter, etc. The City of Wilmington ("City") will make every reasonable effort to assist you in identifying the records being sought. Requests for voluminous records may be delayed.

Environmental Standards is conducting a Phase I ESA at the property 1706 East 12th Street, Wilmington, DE 19801 and is requesting any environmental records (records that may pertain to spills, releases, permits, etc.) associated with this site.

3. There may be costs involved in responding to your request. Specifically, copies are $.10 per page (the first 20 pages of standard-sized, black and white copies are provided free of charge). Payment shall be in cash, by money order, business check or certified check made payable to the City of Wilmington. (Identification may be requested.) You may be required to examine the records at City offices.

Please contact me if costs will be greater than $ 0

Within 15 *business days* from receipt of your request, the City will: provide you with access to the records, deny your request, or state that additional time is needed.

NOTICE: Under Delaware's Freedom of Information Act, 29 Del. C. §§10001-10006 [delcode.delaware.gov] ("FOIA"), a FOIA request or petition, along with any information contained therein or any documents attached thereto, submitted to any "public body" subject to FOIA, including, without limitation, any board, bureau, commission, department, agency or committee of the State, may itself be deemed a "public record" subject to disclosure under FOIA.

- **FOIA Contact Persons by Department**

Thank you,
Wilmington, DE

This is an automated message generated by Granicus. Please do not reply directly to this email.

WILMINGTON 311

Please use the 311 system for all City of Wilmington information or non-emergency service requests.
To reach Wilmington311, dial '311' if you are calling on your cell phone from inside the city limits,
or 302-576-2620 if calling from either outside the city or from a landline.

This City of Wilmington e-mail, including any attachments, may contain information that is privileged, confidential and

exempt from applicable law. This e-mail is intended to be reviewed by only the individual(s), or organization(s) to which it is addressed. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication, including any attachments, is strictly prohibited. If you have received this e-mail in error, please immediately notify the sender by return e-mail and delete this e-mail from your system. Thank You.

From: DNREC FOIA
To: Connor Firor
Subject: Your first record request #22-43 has been opened.
Date: Monday, January 10, 2022 11:13:03 AM

Caution! This message was sent from outside your organization. Allow sender | Block sender

-- Attach a non-image file and/or reply ABOVE THIS LINE with a message, and it will be sent to staff on this request. --

DNREC Public Records

Your first DNREC record request (request number #22-43) has been submitted. It is currently unpublished and is not available for the general public to view.

Thank you for your FOIA inquiry to DNREC.

In accordance with Delaware's FOIA statute, within 15 business days you will receive a further response from DNREC substantively responding to your FOIA request or otherwise responding consistent with Delaware's FOIA statute.

You will receive additional communication as we process your request.

View Request 22-43

https://dnrec-de.nextrequest.com/requests/22-43

As the requester, you can always see the status of your request by signing into the DNREC Public Records portal here.

If you haven't already activated your account, click here to get started. Once your account is activated, your request will be visible at the following link: Request #22-43.

POWERED BY NEXTREQUEST

The All in One Records Requests Platform

Questions about your request? Reply to this email or sign in to contact staff at DNREC.

Technical support: See our help page

Preview Request

The Freedom of Information Act (FOIA) is a federal law that gives the public the right to make requests for federal agency records. Agencies may withhold information according to nine exemptions contained in the statute. The FOIA applies only to federal agencies. It does not apply to records held by Congress, the courts, or by state or local government agencies. Each state has its own public access laws that should be consulted for access to state and local records.

* indicates a required field.

Agency Selection

Agency	Environmental Protection Agency
Sub Agency	Environmental Protection Agency (General)

- **Environmental Consulting Firms**
- **Mortgage Banks**
- **Real Estate Agents**

looking for PROPERTY INFORMATION, find public records without filing a FOIA request.

SEARCH THESE EPA WEBSITES

MyProperty portal: http://www.epa.gov/myproperty

Envirofacts: https://enviro.epa.gov/index.html

Your search results are identical to results you would receive by filing a FOIA request.

Request Type

Request Type	FOIA

Contact Information

Salutation	Mr.
First Name	Connor
Middle Initial	
Last Name	Firor
Email Address	cfiror@envstd.com
Organization	
Phone Number	6104052710
Fax Number	
Mailing Address Location	United States/US Territories
Address Line 1	1140 Valley Forge Road
Address Line 2	
City	Valley Forge
State/Province	Pennsylvania
Zip Code/Postal Code	19482

Processing Fees

Will Pay Up To $0.00

Description

Description Environmental Standards is conducting a Phase I ESA at the property 1706 East 12th Street, Wilmington, DE 19801 and is requesting any environmental records (records that may pertain to spills, releases, permits, etc.) associated with this site.

Request Expedited Processing

Make Request? No

Request a Fee Waiver

Make Request? No

Additional Information

Records Locations - Identify one or more locations where records may be located Region 3 - DC DE MD PA VA WV

Attach Supporting Files

No supporting files have been uploaded.

I Agree.
I have read the Privacy and Security Notice and agree to the terms set forth.

I Agree.
Affirmation. Pursuant to 28 USC § 1746, I declare and affirm that under penalty of perjury under the laws of the United States of America that all of the foregoing information, statements, and signatures submitted in connection with this request and in any supporting documents are true and correct to the best of my knowledge.

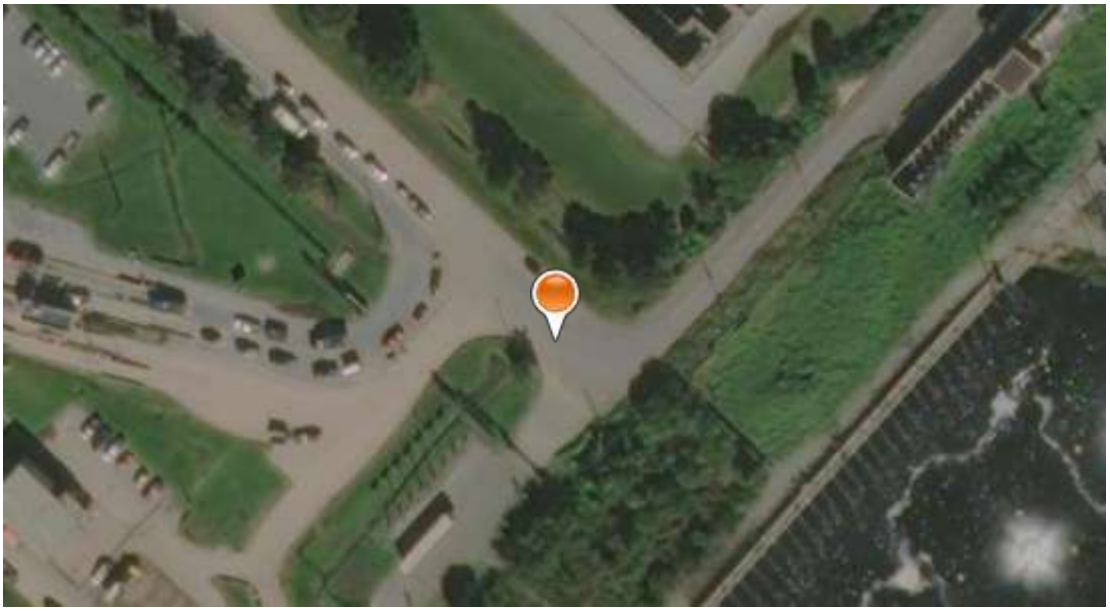
MyProperty Search Results

INFORMATION FOUND FOR THE SUBMITTED ADDRESS

The entered address was found within the EPA Facility Registry System (FRS) list of address records.

Search Criteria
Address Searched: 1706 East 12th Street
City Searched: Wilmington
State Searched: DE

Query executed on 01/10/2022 10:37 AM



Facility Name	Address	City	State	Postal Code
DSWA CHERRY ISLAND LANDFILL (NSWMC) Facility Report Summary Report Compliance Report	1706 EAST 12TH STREET	WILMINGTON	DE	19809
DSWA NORTHERN SW MANAGEMENT CNTR (CHERRY ISLANDL) - 1706 E 12TH ST, WILMINGTON Facility Report	1706 EAST 12TH STREET	WILMINGTON	DE	19809
GATE 2 PAVEMENT IMPROVEMENT AT THE CHERRY ISALND LANDFILL Facility Report	1706 EAST 12TH STREET	WILMINGTON	DE	19809

PHASES I/II LANDFILL GAS HEADER CONSTRUCTION Facility Report	1706 EAST 12TH STREET	WILMINGTON	DE	19809

Note: Click on the above Facility Report link to view a detailed list of known EPA and State Environmental Interests.

Disclaimer: The MyProperty reports are provided solely for informational purposes. They do not provide legal advice, have legally binding effect, or expressly or implicitly create, expand, or limit any legal rights, obligations, responsibilities, expectations, or benefits in regard to any person. EPA maintains the application to enhance public access to environmental information. This service has continual data updates, and we will correct errors brought to our attention, as appropriate.

LAST UPDATED ON {MONTH DAY, YYYY}

NEW CASTLE COUNTY'S FREEDOM OF INFORMATION ACT
PUBLIC DOCUMENT REQUEST FORM

Please identify from which County Office(s) or Department(s) you are seeking documents. If you need assistance as to what Department may possess the requested information, please call the County's general line at (302) 395-5555. Address all FOIA Requests to the identified FOIA Coordinator(s), or their designee in their absence, and indicate on the correspondence: "Attention FOIA Request".

☑ **Department of Land Use** (includes Permitting/Licensing, Planning, Engineering, GIS, Code Enforcement)
Janine Knieriem: FOIA@newcastlede.gov; phone (302) 395-5470

☑ **Office of Administrative Services** (includes Information Systems, Records Management)
Susan Smith: susan.smith@newcastlede.gov; phone (302) 395-5562; fax (302) 395-5252

☑ **Office of Finance**
Joe Szczechowski: joseph.szczechowski@newcastlede.gov; phone (302) 395-5163; fax (302) 395-5155

☑ **Office of Assessment**
Erin Drysdale: erin.drysdale@newcastlede.gov; phone (302) 395-5531; fax (302) 395-5544

☑ **Department of Administration*** (includes Executive Office, Law, Risk Mgmt, Human Resources)
Karen Sullivan: karen.sullivan@newcastlede.gov; phone (302) 395-5132; fax (302) 395-5150

The above-referenced County Office(s) or Department(s) are located at the following address:
New Castle County Government Center
87 Reads Way
New Castle, DE 19720

☑ **Department of Public Works**
Michael Bowser: michael.bowser@newcastlede.gov; phone (302) 395-5386; fax (302) 395-5870
New Castle County Conner Building
187-A Old Churchmans Road
New Castle, DE 19720

☑ **Department of Community Services**
Carrie Casey: carrie.casey@newcastlede.gov; phone (302) 395-5616; fax (302) 395-5592
New Castle County Gilliam Building
77 Reads Way
New Castle, DE 19720

☑ **Department of Public Safety**

☐ **Div of Emergency Medical Svcs, Div of Emergency Comm (911), Office of Emergency Mgmt**
Bill Streets: william.streets@newcastlede.gov; phone (302) 395-8213; fax (302) 571-7350

☐ **Division of Police**
Grigori Lopez-Garcia: policefoia@newcastlede.gov; phone (302) 395-8002; fax (302) 395-8039
NCC Police Headquarters
3601 N Dupont Highway (Route 13)
New Castle, DE 19720

Under specified circumstances, FOIA affords the County a variety of discretionary exemptions which serve as a basis for withholding records from disclosure. These exemptions generally include personnel records, investigatory files compiled for civil or criminal law-enforcement purposes, labor negotiation records, drafts, documents protected by the attorney-client privilege and material made confidential by other state or federal statutes. Exempted documents produced at the County's discretion will be subject to a separate production policy and schedule of fees.

FOR OFFICE USE ONLY: FOIA REQUEST NUMBER

1. CONTACT INFORMATION where a response may be sent

Name of requestor (please print): Connor Firor

Business Name (if applicable): Environmental Standards

Address: 1140 Valley Forge Road

City, State, Zip: Valely Forge

Phone: (h) (610) 935-5577 (w) (cell) (610) 405-2710

Fax: E-mail: cfiror@envstd.com

Please specify preferred method of communication: e-mail

2. Please state with specificity the PUBLIC DOCUMENTS you are seeking pursuant to this request with as much identifying information as possible:

Environmental Standards is conducting a Phase I ESA at this property and is requesting any environmental records (records that may pertain to spills, releases, permits, etc.) associated with this site.

3. If this request is regarding PROPERTY RECORDS, providing the following will expedite your request:

Tax parcel, permit, record plan number(s):

Property address(es): 1706 East 12th Street

City, State, Zip: Wilmington, DE 19801

I have read and understand New Castle County's Policy regarding requests for public documents under the Freedom of Information Act and attest that the above information is true and correct (typing your name in the box is an electronic signature that has a legal status equivalent to a written signature on paper).

Connor Firor

Applicant Signature

1/10/2021

Date:

FOR OFFICE USE ONLY

DEPARTMENT CONTACT FULFILLING REQUEST:

DATE REQUEST RECEIVED:

RESPONSE DEADLINE:

DATE OF RESPONSE (AND REASONS FOR ANY EXTENSION):

NAMES, CONTACT INFO, AND DATES OF EMPLOYEES CONTACTED IN CONNECTION WITH REQUEST:

NAMES, CONTACT INFO, OF THOSE CONDUCTING REVIEWS AND DATES OF REVIEW:

TO WHAT EXTENT WAS REQUEST FULFILLED?

BREAKDOWN OF CHARGES (COPYING, OTHER SERVICES, AND/OR ADMINISTRATIVE FEES ASSESSED):

TOTAL: $_____

PAID BY: ☐ CASH ☐ CHECK ☐ MONEY ORDER ☐ CREDIT CARD

DSWA
DELAWARE SOLID WASTE AUTHORITY

Richard P. Watson, P.E., BCEE
Chief Executive Officer

Robin M. Roddy, P.E., BCEE
Chief Operating Officer

Board of Directors
Gerard L. Esposito
Chairman
Timothy P. Sheldon
Vice Chairman
Tonda L. Parks
Norman D. Griffiths
Michael R. Paraskewich, Jr., Ph.D., P.E.
A. Temple Carter, III
William J. Riddle

November 13, 2017

A. Brad Richardson
Environmental Scientist III
Division of Waste and Hazardous Substances
Delaware Department of Natural Resources and Environmental Control
89 Kings Highway
Dover, DE 19901

Dear Mr. Richardson:

RE: September 2017 CIL Quarterly Monitoring Report/Environmental Database Update

The Delaware Solid Waste Authority (DSWA) hereby submits two (2) copies of the September 2017 Quarterly Environmental Monitoring Report for the Northern Solid Waste Management Center at Cherry Island (CIL) on DVD. In an attempt to streamline the electronic transfer of data and information in your department, the information on the DVD has been arranged in three (3) sections. Section I contains the third party contractors report, which includes a copy of this letter. Section II contains general information about the site as well as the monitoring program, and will not change unless there is an update to the CIL Monitoring Plan or Permit SW-16/07. Section III contains a copy of DSWA's updated environmental monitoring database. The following directory tree serves as a Table of Contents for the DVD, and has been provided for your convenience:



1128 S. Bradford Street, Dover, Delaware 19904
Phone: (302) 739-5361 Fax: (302) 739-4287
CITIZENS' RESPONSE LINE: 1-800-404-7080 www.dswa.com

Printed on Recycled Paper

All files contained on this DVD are provided in Microsoft Excel format (XLS) or Adobe Portable Document Format (PDF), and include all historical environmental monitoring for Section III, Subparts A through E as required by SW-16/07. Please note that the names of the folders and subfolders have been significantly reduced in length to eliminate file string over-runs when uploading the information to your server. It is highly recommended that you either archive or delete previous versions of the database on your server due to this change.

As required under Section IV.D.1.a of DNREC Permit SW-16/07, DSWA is reporting that with the following updates have been made to the CIL surface water files.

- In October 2015 the United States Geological Service (USGS) converted the staff gauge datum for Site 01480120 to NAVD88 datum. DSWA uses the NGVD29 datum at CIL, and was unaware that this change had taken place. DSWA has adjusted all surface water and river elevation files after October 2015 by +1.12 feet as recommended by the USGS.

Other than this, no changes have been made to the historical environmental database since the last permit submittal. DSWA also confirms that the quarterly subsurface gas migration and building inspections were completed, and that no methane was detected above the action level at any location. Copies of the inspection forms can be found under Section III.5 on the DVD. The following should be noted with regards to the September 2017 CIL monitoring event and report:

- Quarterly surface water samples could not collected from SW-1, SW-6, DI-4 and DI-5 due to lack of water at the monitoring locations during the September 2018 monitoring event.

Based on DSWA's and 3rd party evaluation, the CIL has not impacted the groundwaters below the site, or surfacewater bodies to which the facility discharges. In addition, other than the information discussed above, we find no immediate concerns of note regarding the environmental monitoring at CIL.

This fulfills the environmental monitoring requirements for the CIL September 2017 data submittal as stipulated under Permit SW-16/07. Please contact me immediately should you have any questions regarding this information.

With best regards,

Daniel A. Fluman, M.ES, BCES
Senior Manager of Environmental
Monitoring and Testing

Enclosure

c: Richard P. Watson, P.E., BCEE
Robin M. Roddy, P.E., BCEE
Logan V. Miller, P.E., BCEE
Lynsey B. Baer, P.E., BCEE

daf/CIL Permit Submittal – September 2017.doc

Brickhouse Environmental

3rd Quarter 2018 Environmental Monitoring Report
Delaware Solid Waste Authority
Northern Solid Waste Management Center-2
At Cherry Island
DSWA Contract No. DSWA-S-16-755-NPNC
Permit Nos. SW-16/07

Prepared for:

Mr. Daniel A. Fluman, BCES
Senior Manager Of Environmental Monitoring
The Delaware Solid Waste Authority
1128 South Bradford Street
Dover, Delaware 19904

November 12, 2018

BE Project No. 10-2671-21

Prepared by:

Brickhouse Environmental
515 South Franklin Street
West Chester, Pennsylvania 19382
610.692.5770

Anthony J. Nicolardi
Project Scientist I

State of Delaware
DOUGLAS B. SCHOTT
S4-0001181
11/12/18
Licensed Professional Geologist

Douglas B. Schott, P.G.
Project Manager

This report documents the environmental monitoring activities conducted by Brickhouse Environmental during July, August, and September 2018 at the Delaware Solid Waste Authority's (DSWA) Cherry Island Landfill (Northern Solid Waste Management Center-2) in Wilmington, Delaware (the Site). All leachate, surface water, and groundwater monitoring activities were conducted consistent with the "Monitoring Program for the Northern Solid Waste Management Center at Cherry Island" [Revision 1 – October 10, 2012 (Modification 2 – December 10, 2014)]. A Site location map is included as Figure 1. The following monitoring was conducted during July, August, and September 2018 by the DSWA and Brickhouse Environmental:

- July 2018 monthly monitoring of leachate (mixed event)
- July 2018 monthly monitoring of leachate (unmixed event)
- July 2018 quarterly monitoring by the DSWA for landfill gas migration
- August 2018 monthly monitoring of leachate (unmixed event)
- September 2018 quarterly monitoring of groundwaters
- September 2018 quarterly sounding of well casings
- September 2018 quarterly monitoring of surface waters
- September 2018 quarterly monitoring of leachate (mixed event)
- September 2018 quarterly monitoring of leachate (unmixed event)

Leachate samples were collected from the Cherry Island-Main Pump Station (CI-MPS) during the July, August, and September monitoring events. The location of the CI-MPS monitoring point is shown on Figure 2. The July monthly mixed and unmixed leachate monitoring events occurred on July 2 and 3 and July 16 and 17, respectively. The August monthly unmixed leachate monitoring event occurred on August 6 and 7, 2018. The September monthly mixed and unmixed leachate monitoring events occurred on September 4 and 5 and September 17 and 18, respectively.

On September 4-5, 2018, Brickhouse Environmental measured depth to water, sounded all well casings, and collected groundwater samples from the following twenty-two (22) groundwater monitoring wells (Figure 4) at the Site:

- Well UC-100
- Well LC-100
- Well LC-101B
- Well UC-102B
- Well LC-102A
- Well LC-104A
- Well LC-105A
- Well UC-106
- Well UC-108A
- Well LC-114A
- Well LC-115B
- Well LC-116
- Well P-100A
- Well P-101B
- Well P-102B
- Well P-104B
- Well P-105C
- Well P-106
- Well P-108B
- Well P-116
- Well P-201
- Well P-202

Brickhouse Environmental was scheduled to collect surface water samples from the following locations on September 5, 2018, as part of the quarterly monitoring event. However, at the time of the monitoring event, SW-1 and SW-6 were not discharging and did not contain a sufficient quantity of water to collect representative samples. Drop Inlet 4 (DI-4) and Drop Inlet 5 (DI-5) were inspected on September 18, 2018 for absence/presence of flow. Neither drop inlet was discharging at the time of inspection. Future quarterly monitoring events will include monitoring of DI-4 and DI-5 in the event they're flowing at the time of the quarterly monitoring event. The semi-annual stormwater monitoring event

was conducted on September 28, 2018. The resulting monitoring data will be reported in the December 2018 quarterly monitoring report. A map of the surface water monitoring points is shown on Figure 5.

- Delaware River Upstream (Low Tide)
- Delaware River Downstream (Low Tide)
- Northern SMB (SW-1)*
- Christina River (SW-5)
- 12th Street (SW-6)*
- Phase V Sedimentation Basin (LP-8)
- Drop Inlet 4 (DI-4)*
- Drop Inlet 5 (DI-5)*

* These locations were not discharging at the time of inspection during the monitoring event.

On July 13, 2018, the DSWA conducted the quarterly landfill gas migration monitoring and quarterly landfill gas building inspection. The landfill gas migration monitoring is performed on five (5) gas probes, located north of Phase I and Phase II. The quarterly landfill gas building inspection includes fifty-four (54) monitoring locations, within thirteen (13) onsite buildings. The locations of the gas probes and building interior monitoring locations are shown on Figure 6.

This report documents the results of sample collection and analysis for this monitoring event and includes the following:

- A description of the Site;
- A discussion of Site geology;
- A discussion of Site hydrogeology;
- A detailed description of leachate sampling protocols and the scope of work completed as part of the July and August 2018 monthly leachate monitoring and September 2018 quarterly leachate monitoring;
- A discussion of the monthly perimeter leachate seep inspections;
- A discussion of the quarterly landfill gas migration and inspection monitoring conducted by the DSWA;
- A detailed description of groundwater and surface water monitoring protocols, and the scope of work completed as part of the September 2018 quarterly surface water and groundwater monitoring;
- A discussion of analytical results, including a summary of any inconsistencies identified during the sampling and data evaluation process; and
- Conclusions based on a review of the current and historic data.

All tables and figures are included immediately following the text of this report. Field data sheets are included as Attachment 1 and certified laboratory reports of analysis are included as Attachment 2.

SITE BACKGROUND

The Site is located within the Coastal Plain physiographic province, and is underlain directly by Delaware River dredge spoils atop overbank deposits of Recent (Holocene) age. Beneath the Recent Deposits, the gravels, sands, and silts of the Columbia Formation (Pleistocene) are present. The Columbia Formation rests unconformably on the Potomac Formation, which generally consists of finer sediments of Cretaceous age. The bedrock below the Site is presumed to be crystalline metamorphic and igneous rocks of the Wilmington Complex (Early Paleozoic).

DSWA has classified the groundwater monitoring wells into four groups based upon the screened intervals of the wells, and named for the "aquifer" the well is believed to monitor. These four groups are designated as: the Columbia Aquifer; Potomac Aquifer; Recent Deposits; and the Isolated Sand Lens groups. The following table presents the monitoring wells and the aquifer zones that each well monitors.

Aquifer Zone	Monitoring Wells
Columbia Aquifer	LC-101B, LC-102A, LC-104A, LC-105C, LC-114A, LC-115B, LC-116, and LC-100
Potomac Aquifer	P-100A, P-101B, P-102B, P-104B, P-105C, P-106, P-108B, P-116, P-201, and P-202
Recent Deposits*	UC-100
Isolated Sand Lens*	UC-102B, UC-106, and UC-108A

* Despite Columbia Aquifer naming designation, these wells are suspected of being screened within distinct minor hydrologic units above the Columbia Aquifer, and have not been used to develop groundwater contours.

SITE HYDROGEOLOGY

Depth-to-water measurements were taken at the Site on September 4, 2018. These were used to prepare the groundwater flow direction maps attached to this report and all discussions of groundwater flow. Depth to water and groundwater elevations are summarized in Table 1. The groundwater surface contours for the Columbia Aquifer are shown on Figure 7. Piezometric surface contours for the Potomac Aquifer are shown on Figure 8.

As shown in Figure 7, the overall direction of groundwater flow in the Columbia Aquifer is to the east and southeast, toward the Delaware River and its confluence with the Christina River. The highest groundwater elevation was measured in the northwestern portion of the facility, at LC-116. The lowest groundwater elevation was measured across the north-eastern part of the facility, at LC-102A. The interpreted horizontal gradient estimated for the Columbia Aquifer was gradual during this monitoring event, with an average gradient ranging from approximately 0.0004 to 0.001 ft/ft.

As shown in Figure 8, the overall direction of groundwater flow in the Potomac Aquifer is also to the southeast, toward the confluence of the Christina and Delaware Rivers.

The highest groundwater elevation was measured in the northeast portion of the facility, at P-100A. The lowest groundwater elevation was measured at the southwestern portion of the facility, near the confluence of the Delaware and Christina Rivers, at P-202. The interpreted horizontal gradient estimated for the Potomac Aquifer was also gradual, ranging from approximately 0.0001 to 0.002 ft/ft.

Vertical groundwater gradients were calculated between the Upper and Lower Columbia, the Upper Columbia and Potomac, and the Lower Columbia and Potomac. The vertical gradient between the Upper and Lower Columbia Aquifers was downward at three (3) of the four (4) well clusters (the 100, 102, and UC-106/LC-114 clusters), and slightly upward at cluster UC-108A/LC-115B. Therefore, the Site-wide vertical gradient between the Upper Columbia and the Lower Columbia is generally downward. Two (2) of four (4) well clusters used to calculate vertical gradients between the Upper Columbia and Potomac Aquifers (the 100 and 106 clusters) exhibited a downward vertical gradient, while the other two (2) well clusters (the 102 and 108 clusters) exhibited an upward vertical gradient between the Upper Columbia and the Potomac Aquifers. Eight (8) well clusters were used to calculate vertical gradients between the Lower Columbia and Potomac Aquifers. Six (6) of the well clusters exhibited a downward gradient (100, 101, 104, LC-114A/P-106, LC-115B/P-108B, and 116 clusters), while the remaining two (2) clusters (102 and 105 clusters) exhibited a slight upward gradient. Overall, the Site-wide vertical gradient between the Lower Columbia and Potomac Aquifers was downward. It should be noted that river channel dredging by the United States Corps of Engineers has breached the uppermost confining layer of the Columbia Aquifer. Therefore, both groundwater quality, groundwater elevation, and vertical gradients may be impacted by the stage of the river at the time of the monitoring event.

GROUNDWATER AND SURFACE WATER MONITORING PROTOCOLS

Brickhouse Environmental collected groundwater and surface water samples from the locations listed above as part of the September 2018 quarterly monitoring event. The monitoring point locations for groundwater and surface water are shown on Figures 4 and 5, respectively. The groundwater and surface water samples were collected consistent with the "Monitoring Program for the Northern Solid Waste Management Center at Cherry Island" (Modification 2 – December 10, 2014).

On September 4, 2018, Brickhouse Environmental measured the depth to water in all groundwater monitoring wells onsite. All depth-to-water measurements were taken on the same day, prior to initiating monitoring activities. This was done so that purging of the wells would not affect groundwater elevation data. Once all depth to water measurements had been taken across the Site, Brickhouse Environmental completed the collection of groundwater samples. Monitoring well total depths were measured following the collection of groundwater samples on September 4 and 5, 2018.

The monitoring wells were purged and sampled on September 4 and 5, 2018. Purging was performed at a flow rate of less than 1 liter per minute, using a decontaminated peristaltic pump at all monitoring well locations. The pump was connected to a dedicated

3/16-inch Teflon™ tube perforated within the screened interval of the well casing and purged. Field measurements were continually monitored from the start of purging until measured values had stabilized (+/-10%). Field sampling sheets, documenting the initial and final field measurement results, are included as Attachment 1.

Grab surface water samples were collected directly from their respective monitoring stations on September 5, 2018, as part of the quarterly monitoring event. During the September 2018 monitoring event, the surface water locations Northern SMB (SW-1), 12th Street (SW-6), Drop Inlet 4 (DI-4) and Drop Inlet 5 (DI-5) were either dry or not discharging. Field measurements were obtained prior to sample collection. Field sampling sheets, documenting field measurement results, are included as Attachment 1.

Groundwater and surface water samples were placed directly into laboratory supplied/preserved bottleware and the containers were tightly sealed. After each sample was collected, it was placed immediately in an insulated cooler with ice to maintain an approximate temperature of 4° Celsius. As each sample was collected, it was documented on a Chain of Custody (COC) form that was kept with the samples. Completed COC forms are included with Attachment 2. The samples were transported to Eurofins Lancaster Laboratories Environmental (ELLE) within twelve (12) hours of sample collection.

During the course of the September 2018 quarterly groundwater and surface water monitoring event, seven (7) QA/QC samples were collected and submitted to ELLE, including:

- One duplicate sample. The duplicate sample was collected as a volume-for-volume split. This sample was analyzed to evaluate the precision of laboratory analysis.
- Laboratory prepared trip blanks. Trip blanks accompanied the sample bottles in the field. These samples were analyzed to determine if contamination was introduced during bottle preparation, sample handling, or analytical procedures.
- Equipment blank samples. Equipment blanks were prepared by pumping laboratory supplied deionized water through a decontaminated sampling apparatus. The samples were analyzed to determine the effectiveness of the decontamination process.

GROUNDWATER SAMPLE ANALYTICAL RESULTS

Field data sheets for the September 2018 quarterly groundwater monitoring event are included as Attachment 1. Certified laboratory reports on the results of analysis are included as Attachment 2. Results of the groundwater field sample analysis are summarized in attached Table 1. Results of the laboratory analysis are summarized in attached Table 2. Groundwater monitoring locations are presented on Figure 4. Analytical results representing new minimum and maximum concentrations are detailed below. Additional discussion of concentration trends is presented in the Summary and Conclusions section.

Monitoring Location	Measurement or Analyte	Units	Historic Min	Historic Max	Current Average	September 2018 Results	Comment
UC-100	Groundwater Elevation	Feet NGVD	-7.50	5.58	3.45	5.71	Maximum
LC-116	Groundwater Elevation	Feet NGVD	-0.93	4.08	2.40	4.08	Maximum
LC-104A	Specific Conductance (Field)	umhos/cm	1,165	3,500	2,098	940	Minimum
P-100A	Specific Conductance (Field)	umhos/cm	674	1,653	1,078	1,816	Maximum
P-106	Temperature	°C	8.0	21.1	15.2	23.2	Maximum
P-108B	Specific Conductance (Field)	umhos/cm	794	3,430	1,673	669	Minimum
	Specific Conductance (Lab)	umhos/cm	1,080	2,510	1,584	721	Minimum
P-202	Groundwater Elevation	Feet NGVD	-3.35	0.78	-0.83	0.83	Maximum
	Temperature	°C	11.1	18.0	14.97	18.4	Maximum

All other data was within historic ranges. Averages are calculated using all data obtained through the current reporting period.

The total monitoring well depths, measured on September 4 and 5, 2018, were generally consistent with known construction depths. Indications or evidence suggesting inner casing failures were not observed. Additional discussion of concentration trends is presented in the Summary and Conclusions section.

SURFACE WATER ANALYTICAL RESULTS

Field data sheets for the September 2018 quarterly surface water monitoring events are included in Attachment 1. Certified laboratory reports on the results of analysis are included as Attachment 2. Results of the quarterly surface water field sample analyses are summarized in Table 3. Laboratory analytical results are summarized in Table 4 for surface water. Surface water monitoring locations are presented in Figures 3. Analytical results representing new minimum and maximum concentrations for surface water, are summarized below.

September 2018 Quarterly Surface Water							
Monitoring Location	**Analyte**	**Units**	**Historic Min**	**Historic Max**	**Current Average**	**September 2018 Results**	**Comment**
DE River Upstream (High Tide)	Zinc	mg/L	0.0116	0.74	NA	0.0052	Minimum
	Total Phosphorus	mg/L	0.071	0.75	NA	<0.05	Minimum
	Benzene	ug/L	<0.5	<1.0	NA	<0.2	Minimum
	Ethylbenzene	ug/L	<0.5	<1.0	NA	<0.2	Minimum
	Toluene	ug/L	<0.5	<1.0	NA	<0.2	Minimum

September 2018 Quarterly Surface Water							
Monitoring Location	**Analyte**	**Units**	**Historic Min**	**Historic Max**	**Current Average**	**September 2018 Results**	**Comment**
DE River Upstream (Low Tide)	T.D.S.	mg/L	117	3,910	836	83	Minimum
DE River Downstream (High Tide)	Total Phosphorus	mg/L	0.060	0.41	NA	<0.050	Minimum
	T.S.S.	mg/L	15	496	89.8	10.3	Minimum
	Arsenic	mg/L	<0.0070	0.0122	NA	<0.016	Maximum
	Zinc	mg/L	0.0082	0.16	NA	0.0064	Minimum
	Total Phosphorus	mg/L	0.060	0.41	NA	<0.050	Minimum
	Benzene	ug/L	<0.5	<1.0	NA	<0.2	Minimum
	Ethylbenzene	ug/L	<0.5	<1.0	NA	<0.2	Minimum
	Toluene	ug/L	<0.5	<1.0	NA	<0.2	Minimum
DE River Downstream (Low Tide)	Organic Nitrogen	mg/L	0.38	5.8	NA	<0.28	Minimum
Christina River (SW-5)	Total Phosphorus	mg/L	0.078	2.1	NA	0.077	Minimum
	Benzene	ug/L	<0.5	<1.0	NA	<0.2	Minimum
	Ethylbenzene	ug/L	<0.5	<1.0	NA	<0.2	Minimum
	Toluene	ug/L	<0.5	<1.0	NA	<0.2	Minimum
LP-8	Organic-N	mg/L	<0.50	4.48	NA	0.10	Minimum
	Benzene	ug/L	<0.5	<1.0	NA	<0.2	Minimum
	Ethylbenzene	ug/L	<0.5	<1.0	NA	<0.2	Minimum
	Toluene	ug/L	<0.5	<1.0	NA	<0.2	Minimum

All other data was within historic ranges. Averages are calculated using all data obtained through the current reporting period. SW-1, SW-6, DI-4 and DI-5locations were dry or not discharging during the September 2018 quarterly surface water monitoring event.

Brickhouse Environmental conducted the September quarterly (low tide) and (high tide) surface water monitoring event on September 5, 2018. For this monitoring event, surface water elevation data was obtained from the USGS stream gauge located on the Delaware River, 1,000 feet below the confluence with the Christina River near Wilmington, Delaware. Data collected by the USGS stream gauge indicated that the elevation of the Delaware River ranged from 3.47 to 2.99 feet NGVD, during the time that the high-tide samples were being collected (8:45 a.m. through 9:05 a.m.) and -0.76 to 0.08 feet NGVD, during the time that the low-tide samples were being collected (2:50 p.m. through 3:15 p.m.).

On September 5, 2018, the elevation of the Delaware River ranged from -1.24 feet NGVD at 2:18 p.m., to 5.58 feet at 8:06 p.m. An electronic copy of the elevation data collected on September 5, 2018 is included with the environmental monitoring database accompanying this report submission.

LEACHATE MONITORING PERMIT REQUIREMENTS

Per the City of Wilmington's (COW) permit W-88-02 (Rev. 9, dated February 28, 2016) and the CIL operating permit (DNREC Permit SW-16/07), the CIL leachate was sampled five (5) times from the CI-MPS during the quarterly monitoring period: Twice in July and September 2018 (non-trucking [unmixed] and trucking [mixed]) and once in August 2018 (non-trucking [unmixed]).

Permit W-88-02 (Rev. 9) requires a minimum of fourteen (14) days to pass between the first and second monitoring events for the months that require two monitoring events (trucking and non-trucking). The leachates sampled during trucking (mixed) monitoring events are comprised of mixed leachates from CIL, CSWMC, and the SSWMC. Permit SW-16/07 requires one monitoring event per month, comprised of CIL leachate only. With the exception of cyanide and volatile organic compounds (VOCs), all samples collected during these events are twenty-four (24)-hour composite samples collected from the CI-MPS. It should be noted that the CI-MPS receives wastewater from all sewage systems at CIL, in addition to leachate generated by the landfill. Also, CIL receives leachate shipments from DSWA's Central and Southern Solid Waste Management Centers (CSWMC and SSWMC). Leachate received from these Sites is off-loaded by way of a discharge port into the main vault of the CI-MPS. The CI-MPS discharges these wastewaters and leachates to COW's wastewater treatment plant by way of one of the New Castle County force mains, located 10 feet west of the western CIL boundary.

LEACHATE MONITORING PROTOCOLS

At the start and end of each 24-hour composite sample period, flow meters in the CI-MPS are read and the values recorded. The flow meters provide total flows and instantaneous flow rates of wastewater leaving the CI-MPS.

During the July, August, and September 2018 leachate monitoring events, Brickhouse Environmental collected leachate samples from the CI-MPS using the inline sample ports installed in the wastewater discharge line from the Site to the City of Wilmington (Figure 2). With the exception of samples collected for cyanide and VOC analysis, all samples were collected as twenty-four (24)-hour composites using an ISCO™ 3700 automatic sampler. The ISCO™ automatic sampler is outfitted with a 2.5-gallon glass jar for bulk composite collection. Ice is placed around the sample jar within the ISCO™ sampler at the time of setup, to assist in sample preservation. The sampler is programmed to collect a specified volume of leachate each hour. The sampler then shuts down after collecting the twenty-four (24) hourly samples. Samples are later decanted from the bulk composite jar into laboratory supplied/preserved bottleware. The inline sample port is also used to collect grab samples for cyanide analysis, VOC analysis and field temperature. Samples for VOC analysis consisted of four grab samples collected over an 8-hour period on September 17, 2018. The VOC samples were then composited by the laboratory prior to analysis. The sample collected for cyanide analysis was collected as a grab sample following the collection of the 24-hour composite sample on September 18, 2018. After collection, samples are immediately placed in an insulated cooler with ice to maintain an approximate temperature of 4° Celsius. At the

time of sample collection, pertinent information was documented on a COC form that was kept with the samples. The samples were transported to ELLE within twelve (12) hours of sample collection. Completed COC forms are included as part of Attachment 2.

Following the collection of leachate samples, the field crew retains a portion of the twenty-four (24)-hour composite sample to take field measurements of the temperature, pH, specific conductance, and oxidation-reduction potential. This temperature measurement is not used for compliance purposes, as it represents the temperature of the chilled sample, not the raw leachate leaving the CI-MPS. Any remaining leachate is returned to the leachate collection system of the CI-MPS, following field measurements. The field sampling data sheets documenting these measurements are included as Attachment 1.

During each of the leachate monitoring events, two (2) QA/QC samples were collected and submitted to ELLE for analysis, including the following:

- A laboratory prepared trip blank. The trip blank accompanied the leachate sample bottles from preparation at the laboratory through the sampling process in the field. This sample was analyzed to evaluate if contamination was introduced during bottle preparation, sample handling, or analytical procedures.

- An equipment blank sample. The equipment blank was prepared by pumping laboratory supplied deionized water through the same decontaminated sampling apparatus used during the collection of actual leachate samples. This sample was analyzed to evaluate the effectiveness of the decontamination process.

QA/QC samples were analyzed for the same list of analytes sampled from the CI-MPS.

LEACHATE ANALYTICAL RESULTS

Field data sheets for the July, August, and September 2018 monitoring events are included as Attachment 1. Laboratory analytical results are included as Attachment 2. Results of the leachate field measurements are summarized in Table 5. Laboratory analytical results are summarized in Tables 6-10. The leachate monitoring location is shown on Figure 2. No new historic minimum or maximum concentrations were established during the July 2018 and August 2018 mixed and unmixed leachate monitoring events. Analytical results representing new minimum and maximum concentrations for September mixed and unmixed leachate, are summarized below.

Monitoring Location	Measurement or Analyte	Units	Historic Min	Historic Max	Current Average	September 2018 Results	Comment
September Mixed	1,2-Dichloroethane	ug/L	<0.50	<5	NA	<10	Maximum
	2,4-Dimethylphenol	ug/L	<0.50	2	NA	<4	Maximum
	1,2-Dichloroethane	ug/L	<0.50	<5	NA	<10	Maximum
	gamma-BHC	ug/L	<0.0016	<0.0080	NA	<0.0083	Maximum

Monitoring Location	Measurement or Analyte	Units	Historic Min	Historic Max	Current Average	September 2018 Results	Comment
September Mixed	delta-BHC	ug/L	<0.0028	0.012	NA	<0.014	Maximum
	p,p-DDT	ug/L	<0.0042	0.014	NA	<0.021	Maximum
	p,p-DDD	ug/L	<0.0041	0.0062	NA	<0.021	Maximum
	Endrin	ug/L	<0.0067	0.0072	NA	<0.033	Maximum
September Unmixed	Poly. Hyd. Phosphorus	mg/L	<0.10	11.5	NA	<0.050	Minimum
	1,2-Dichloroethane	ug/L	<0.50	<10	NA	<20	Maximum
	Dicamba	ug/L	<0.080	<1.6	NA	<0.078	Minimum

QA/QC ANALYTICAL RESULTS

During the course of the July and August monthly monitoring events, and the September 2018 quarterly monitoring event, seventeen (17) QA/QC samples were collected, including one (1) duplicate, eight (8) trip blanks, and eight (8) equipment blanks. Field data sheets for the quarterly monitoring period are included as Attachment 1. Certified laboratory reports on analytical results are included as Attachment 2. Results from the laboratory analysis of the QA/QC are summarized in Tables 2, 4, and 6 through 10. All QA/QC samples are analyzed for the most extensive list of analytes that pertain to their associated sample groups. Analytical results are discussed on a point-by-point basis, below.

ELLE was instructed to report the limits of quantitation (LOQs) and method detection limits (MDLs) for each analyte. Several analytes were reported above their respective MDLs, but below their respective LOQs, at estimated concentrations in several of the trip and equipment blanks analyzed during the July, August, and September 2018 monitoring events. These estimated concentrations are significantly lower than the reportable detection limits (RDLs) and LOQs typically reported using these analytical methods. Therefore, these estimated concentrations are not considered significant, and are not discussed in the following QA/QC summary.

- July Mixed Leachate QA/QC (7/2/2018 – 7/3/2018): All reported data were below their respective LOQs. This indicates that contamination does not appear to have been introduced during sample collection, bottle preparation, sample handling, or analytical procedures.

- July Unmixed Leachate QA/QC (7/16/2018 – 7/17/2018): All reported data were below their respective LOQs, with the exception of dissolved silica (0.76 mg/L) in the equipment blank. The presence of dissolved silica in the equipment blank sample indicates that trace contamination was introduced during bottle preparation, sample collection, sample handling, analytical procedures, or was present in the laboratory supplied deionized water used to prepare the equipment blank. Since dissolved silica is present in the sampled leachate at significantly higher concentrations, this detection in the equipment blank sample is considered insignificant.

- August Unmixed Leachate QA/QC (8/6/2018 – 8/7/2018): All reported data were below their respective LOQs, with the exception of potassium (1.48 mg/L) and zinc (0.0604 mg/L) in the trip blank. The presence of potassium and zinc in the trip blank sample indicates that trace contamination was introduced during bottle preparation, analytical procedures, or was present in the laboratory supplied deionized water used to prepare the trip blank. Since potassium is present in the sampled leachate at significantly higher concentrations, the detection of potassium in the trip blank sample is considered insignificant. The trace detection of zinc in the trip blank does not appear to have had a material impact on the analytical results for zinc reported for the leachate sample given that zinc was detected at a trace concentration consistent with historic data.

- September Mixed Leachate QA/QC (9/4/2018 – 9/5/2018): All reported data were below their respective LOQs, with the exception of 2-Butanone (10 ug/L) in the equipment blank and several SVOCs in the trip blank.

  The presence of 2-Butanone in the equipment blank sample indicates that trace contamination was introduced during bottle preparation, sample collection, sample handling, analytical procedures, or was present in the laboratory supplied deionized water used to prepare the equipment blank. Since 2-Butanone is present in the sampled leachate at concentrations consistent with historic data for a mixed leachate monitoring event, it does not appear that this detection in the equipment blank has had a material impact on the results.

  Four (4) SVOCs were detected in the trip blank at concentrations exceeding their respective LOQs. Of these, only one compound (2-methylphenol) was detected in the associated leachate sample at a similar concentration. Similarly, none of the SVOCs detected in the trip blank were detected in the equipment blank. Given the unexpected detections of SVOCs in the trip blank, Brickhouse Environmental requested that ELLE reevaluate these detections. ELLE reanalyzed the original extract and verified that the extract was sourced from the correct sample set and bottle. The reanalysis confirmed the original results and the sample source was verified. It is Brickhouse Environmental's opinion that SVOC contamination was introduced to the trip blank during sample preparation, analytical procedures or was present in the deionized water used to create the trip blank. Given that SVOC analyses of the mixed leachate sample were consistent with prior results, it does not appear that the SVOC contamination in the trip blank has had a significant impact on the SVOC analysis of the mixed CI-MPS sample.

- September Unmixed Leachate QA/QC (9/17/2018 – 9/18/2018): All reported data were below their respective LOQs, with the exception of total phosphorous (0.13 mg/L) and methylene chloride (2 ug/L) in the equipment blank. The presence of total phosphorous and methylene chloride in the equipment blank sample indicates that trace contamination was introduced during bottle preparation, sample collection, sample handling, analytical procedures, or was present in the laboratory supplied deionized water used to prepare the equipment blank. Since total phosphorous is

present in the sampled leachate at significantly higher concentrations, this detection in the equipment blank sample is considered insignificant. Consistent with recent analytical results, methylene chloride was not detected in the CI-MPS leachate sample. Therefore, the trace detection of methylene chloride in the equipment blank does not appear to have had a material impact on the CI-MPS analytical results.

- September Groundwater QA/QC (9/4/2018 – 9/5/2018): All reported data were below their respective LOQs. This indicates that contamination does not appear to have been introduced during sample collection, bottle preparation, sample handling, or analytical procedures.

- September Surface Water QA/QC (9/5/2018): All reported data were below their respective LOQs, with the exception of total organic carbon (1.4 mg/L) in the trip blank. The presence of total organic carbon in the trip blank sample indicates that trace contamination was introduced during bottle preparation, sample collection, sample handling, analytical procedures, or was present in the laboratory supplied deionized water used to prepare the trip blank. The TOC concentrations reported for all surface water samples collected during the monitoring event were consistent with historic concentrations. Based on the consistency with historic data it does not appear that the TOC detection in the trip blank has had a material impact on the analytical results.

- Field Duplicate of LC-115B (Dup) (9/5/2018): This sample was a duplicate of groundwater sample LC-115B. As shown on Table 2, the laboratory reproducibility was good for all analytes.

LANDFILL SEEP AND DAMAGE INSPECTIONS

As part of the July and August 2018 monthly leachate monitoring events and the September 2018 quarterly leachate, groundwater, and surface water monitoring events, the perimeter of the landfill was inspected by Brickhouse Environmental for damage or seeps. The inspections were conducted on the following dates: July 3, 2018, August 6, 2018, and September 17, 2018. No irregularities were noted during any of these inspections.

LANDFILL GAS MIGRATION MONITORING

DSWA conducted the July 2018 quarterly subsurface landfill gas migration monitoring event on July 13, 2018. Methane was not detected in the headspace of any of the five (5) perimeter gas probes installed north and west of Phase I and Phase II. Figure 6 shows the locations of all landfill gas migration monitoring points. Completed forms for the perimeter landfill gas migration monitoring can be found in Attachment 1.

DSWA conducted the July 2018 quarterly facility building inspection for landfill gas on July 13, 2018. Methane was not detected at any of the fifty-four (54) monitoring locations, within the thirteen (13) onsite buildings. Figure 6 shows the locations of the

interior building landfill gas monitoring locations. Completed forms for the quarterly building inspections can be found in Attachment 1.

PROBLEMS ENCOUNTERED DURING MONITORING EVENTS

The following summarizes problems that were encountered by Brickhouse Environmental or the DSWA during any of the monitoring events that took place between the July 2018 and September 2018.

- No problems were encountered during the environmental monitoring conducted during the monitoring period.

DEVIATIONS FROM PROCEDURES OR PERMIT REQUIREMENTS

The following summarizes deviations from normal sampling procedures or requirements, as stipulated in SW-16/07 and WW-88-02 (Revision 9), during the July 2018 through September 2018 quarterly monitoring period:

- The 12th Street (SW-6) monitoring location was dry at the time of the quarterly surface water monitoring event in September 2018 and could not be sampled.
- The Northern SMB (SW-1) monitoring location was dry at the time of the quarterly surface water monitoring event in September 2018 and could not be sampled.

SUMMARY AND CONCLUSIONS

Between July 3, 2018 and September 18, 2018, Brickhouse Environmental collected samples from thirty (29) separate monitoring locations at the Site. Brickhouse Environmental and Eurofins Lancaster Laboratories Environmental performed 1,069 measurements or analyses on samples collected during that time. An additional 1,070 measurements or analyses were per performed on QA/QC samples, including duplicates. This brings the total measurements or analyses performed during the quarter to 2,139.

Based on the groundwater and surface water monitoring data generated as part of these monitoring events and previous monitoring events completed at the NSWMC-2, Brickhouse Environmental has developed the following conclusions:

1. The monthly and bi-monthly leachate quality results obtained during July through September 2018 were compared to the effluent limits provided in Sections B(1) and D(3) of the COW Wastewater Discharge Permit #W-88-02 (Rev. 9). Section B(1) provides the permissible concentrations for all permitted analytes, while section D(3) provides specific concentration limits for total arsenic and ammonia-nitrogen. The specific limits for total arsenic and ammonia-nitrogen were established under a variance, and set at 0.24 mg/L and 594 mg/L, respectively, for a flow of 500,000 gallons per day. Total arsenic was detected during all five (5) monitoring events, at concentrations well below the discharge limit of 0.24 mg/L. Ammonia-nitrogen was

detected well below the discharge limit of 594 mg/L during all five (5) monitoring events.

2. Since 2014, nearly all leachates discharged from the CI-MPS are generated at the CIL, following a significant decline in leachate shipments to the CIL from the Central and Southern Solid Waste Management Centers. Around the same time, leachate sampling protocols were modified from wet well collection, to an inline collection port. Overall leachate strength had been gradually weakening since approximately 2006, but exhibited increasing trends in some analytes following changes in 2014. During the past year, overall leachate strength appears to be stabilizing, and concentrations of total toxic organics (TTO) continue to remain relatively stable.

3. Based on the environmental monitoring data collected during the September 2018 quarterly monitoring event, surface waters and groundwater do not appear to have been impacted by landfill leachate.

4. As discussed in prior quarterly and annual environmental monitoring reports, six (6) monitoring wells have been replaced at the CIL since February 2013, due to inner casing deformations and breakages identified during well camera logging and depth sounding. The environmental monitoring program was modified in 2016, to include quarterly monitoring well sounding, to aid in the identification of any potential future inner casing failures. The quarterly depth sounding was completed during the September 2018 quarterly monitoring event. No abnormalities were discovered, and all monitoring well depths were consistent with original construction.

Brickhouse Environmental recommends no modifications to the current monitoring program. Groundwater quality and well integrity will continue to be closely monitored.

AJN/MEL/DBS/DAF

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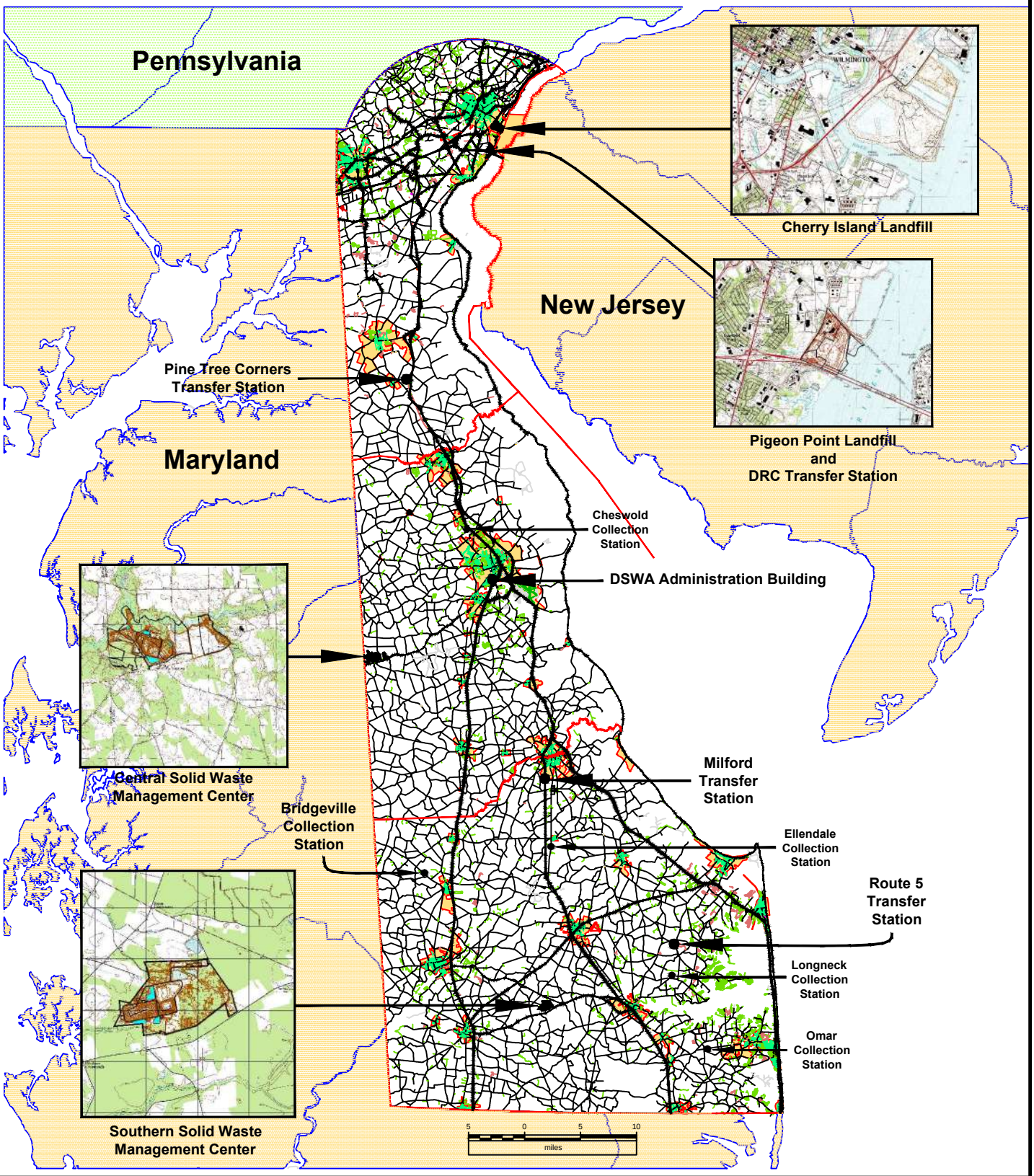
Brickhouse Environmental

FIGURES AND TABLES



SITE LOCATION MAP

DSWA CHERRY ISLAND LANDFILL

BRICKHOUSE ENVIRONMENTAL
PROFESSIONAL GEOLOGISTS, SCIENTISTS AND ENGINEERS
515 S. FRANKLIN STREET; WEST CHESTER, PA 19382 PHONE: 610.692.5770 FAX: 610.692.8650
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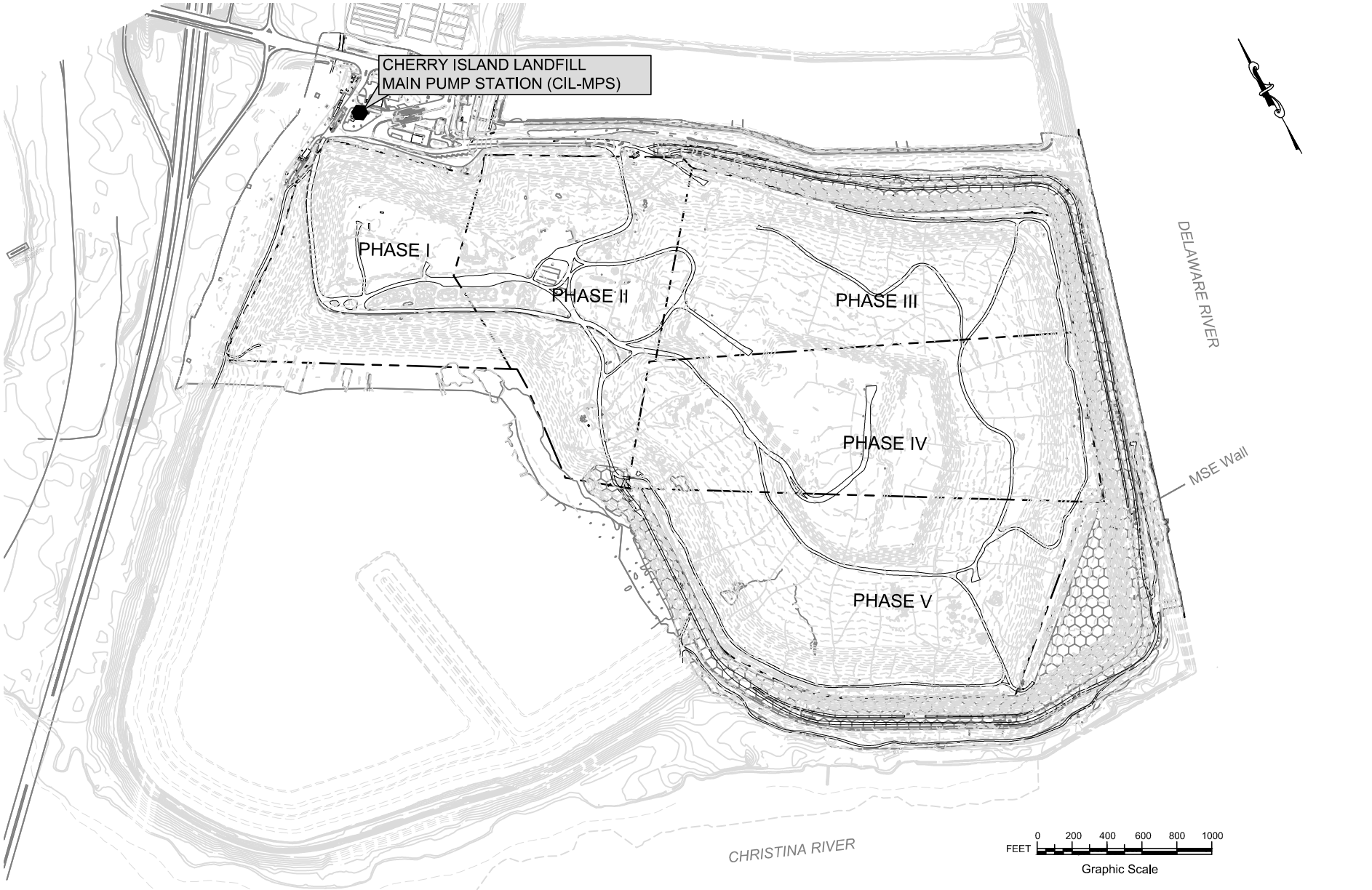
PROJECT:	10-2671-3
FILE NO.:	DELAWARE - ALL FACILITIES
DATE:	5/23/2011
SCALE:	NO SCALE

FIGURE 1



LOCATIONS OF LEACHATE MONITORING POINTS

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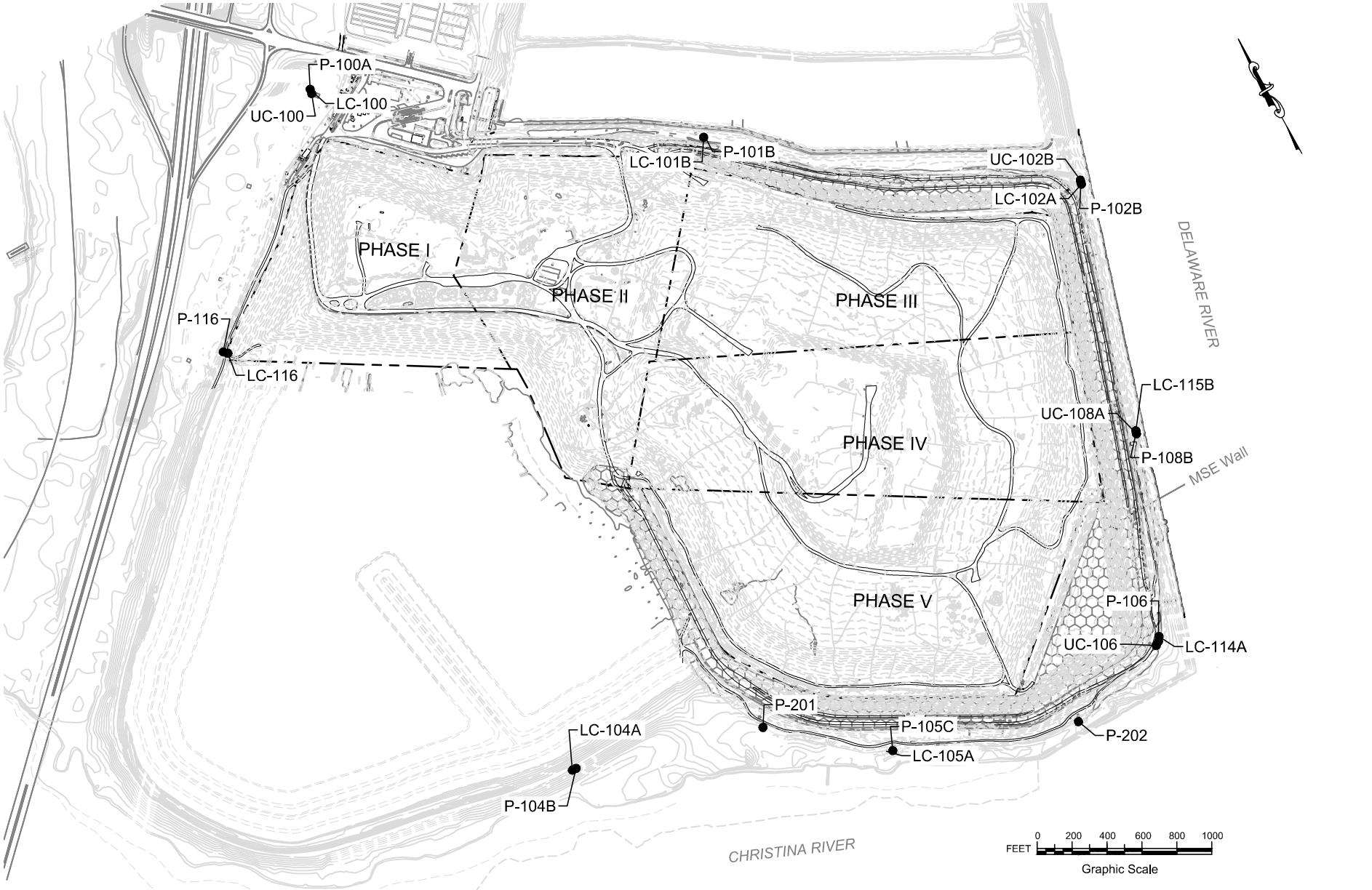
CHERRY ISLAND LANDFILL
DELAWARE SOLID WASTE AUTHORITY

PROJECT:	102671.11
FILE NO.:	CIL LEACHATE POINTS
DATE:	3/11/2014
SCALE:	AS NOTED

FIGURE 2



LOCATIONS OF GROUNDWATER MONITORING POINTS

BRICKHOUSE ENVIRONMENTAL
PROFESSIONAL GEOLOGISTS, SCIENTISTS AND ENGINEERS
515 S. FRANKLIN STREET; WEST CHESTER, PA 19382 PHONE: 610.692.5770 FAX: 610.692.8650
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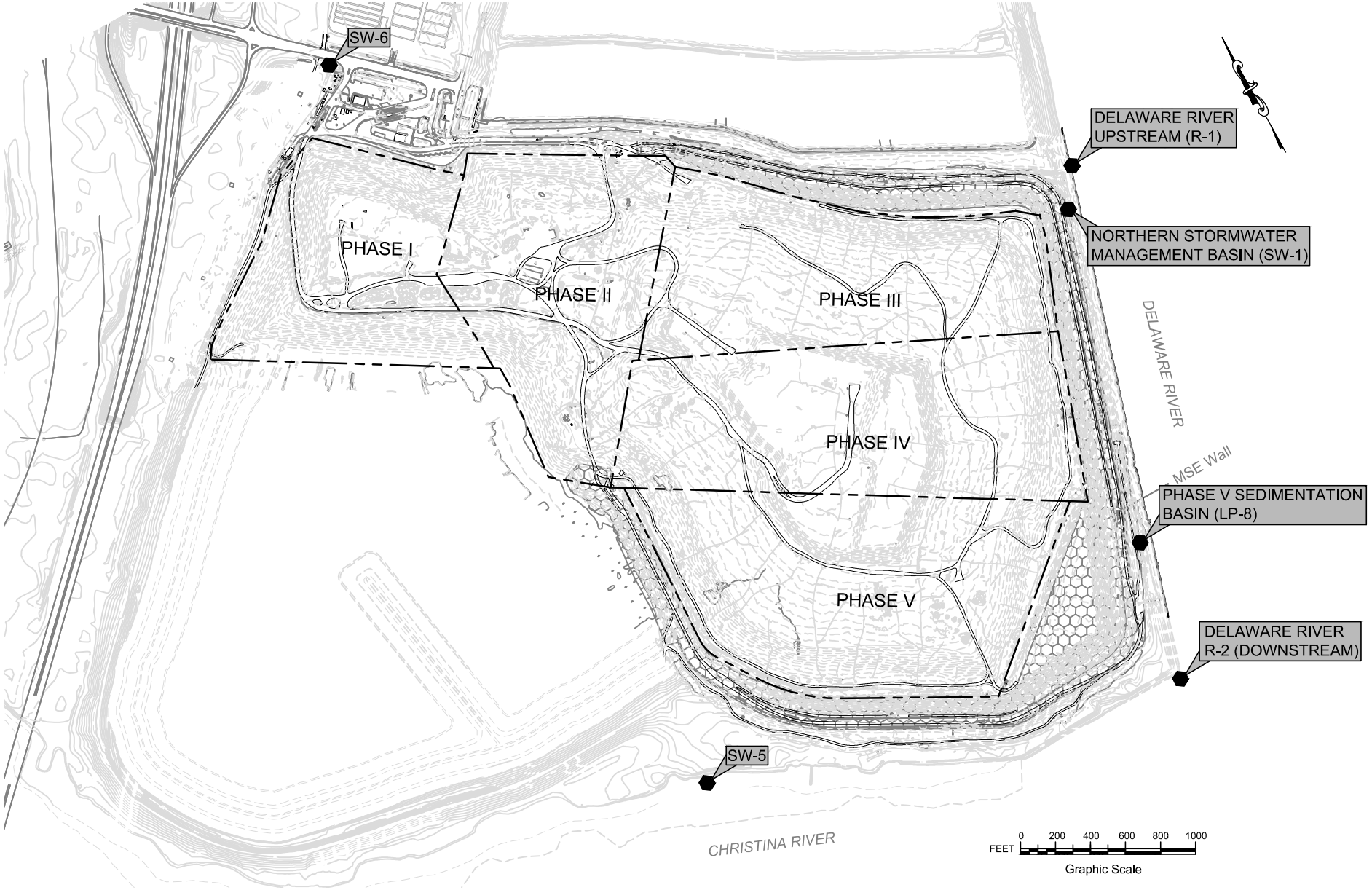
CHERRY ISLAND LANDFILL
DELAWARE SOLID WASTE AUTHORITY

PROJECT:	10-2671-11
FILE NO.:	CIL GW POINTS_UPDATED_7-13.DWG
DATE:	02/23/2011
SCALE:	AS NOTED

FIGURE 3



LOCATIONS OF SURFACEWATER MONITORING POINTS

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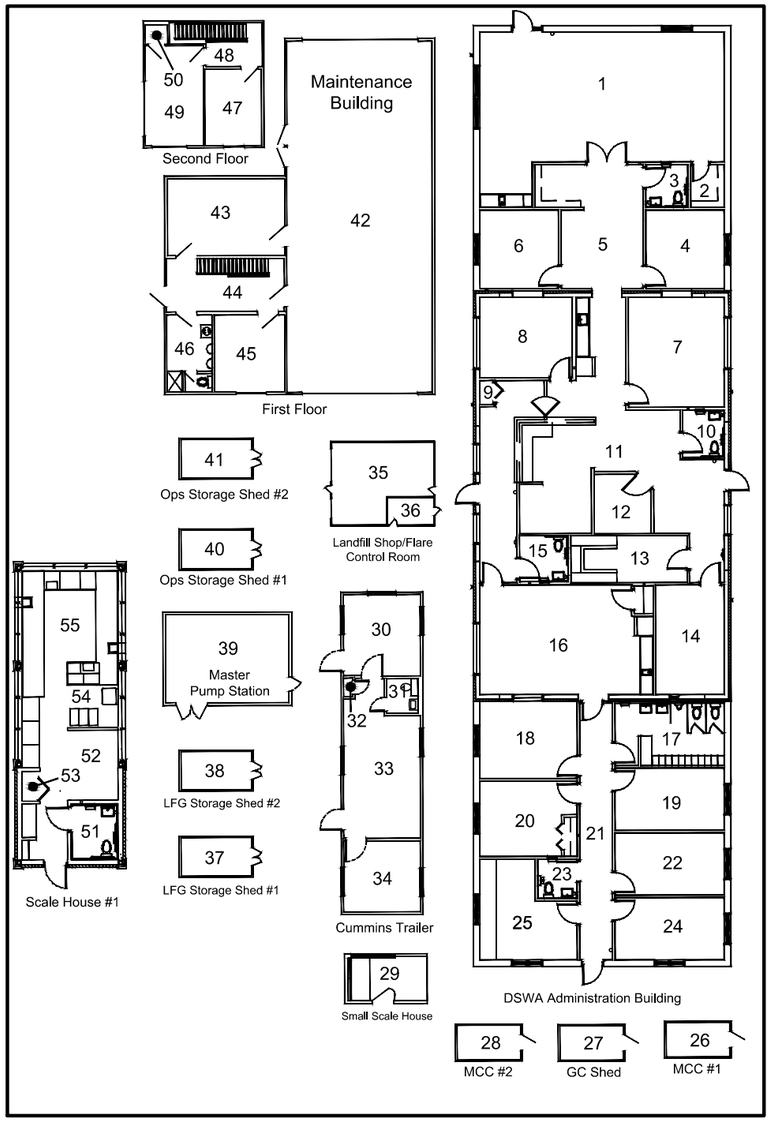
CHERRY ISLAND LANDFILL
DELAWARE SOLID WASTE AUTHORITY

PROJECT:	10-2671.3
FILE NO.:	CIL SW POINTS
DATE:	02/13/2013
SCALE:	AS NOTED

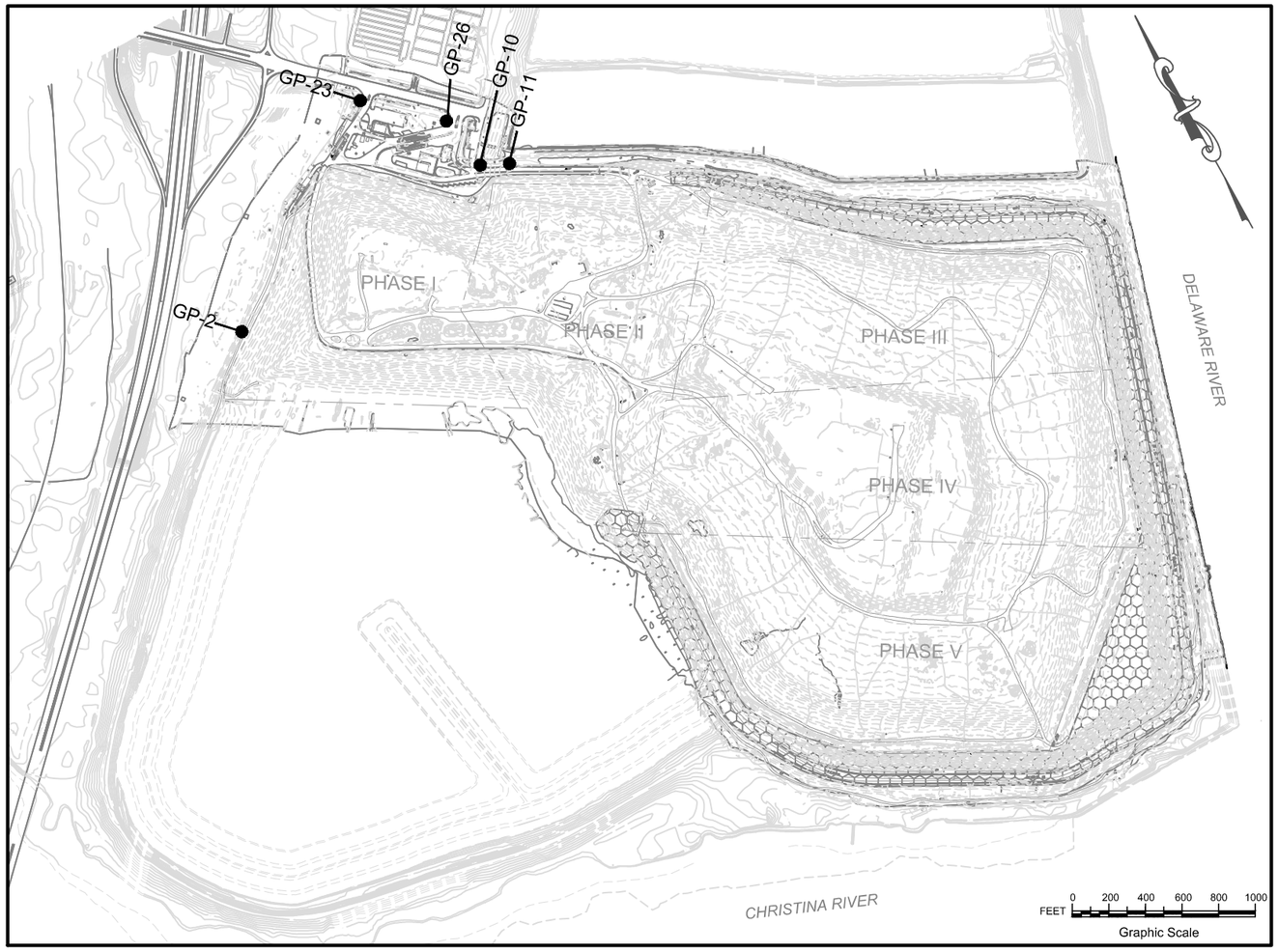
FIGURE 4

PLOTTED: Radcliffe, Mark at 2/25/2014 2:52 PM



LFG BUILDING MONITORING POINTS

NO SCALE



LFG MIGRATION MONITORING POINTS

CHERRY ISLAND LANDFILL GAS MONITORING POINTS

PROJECT: 10-2671-3
FILE NO.: CIL LFG MONITORING POINTS
DATE: 2/21/2014
SCALE: AS NOTED

DELAWARE SOILID WASTE AUTHORITY
CHERRY ISLAND LANDFILL

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FIGURE
5

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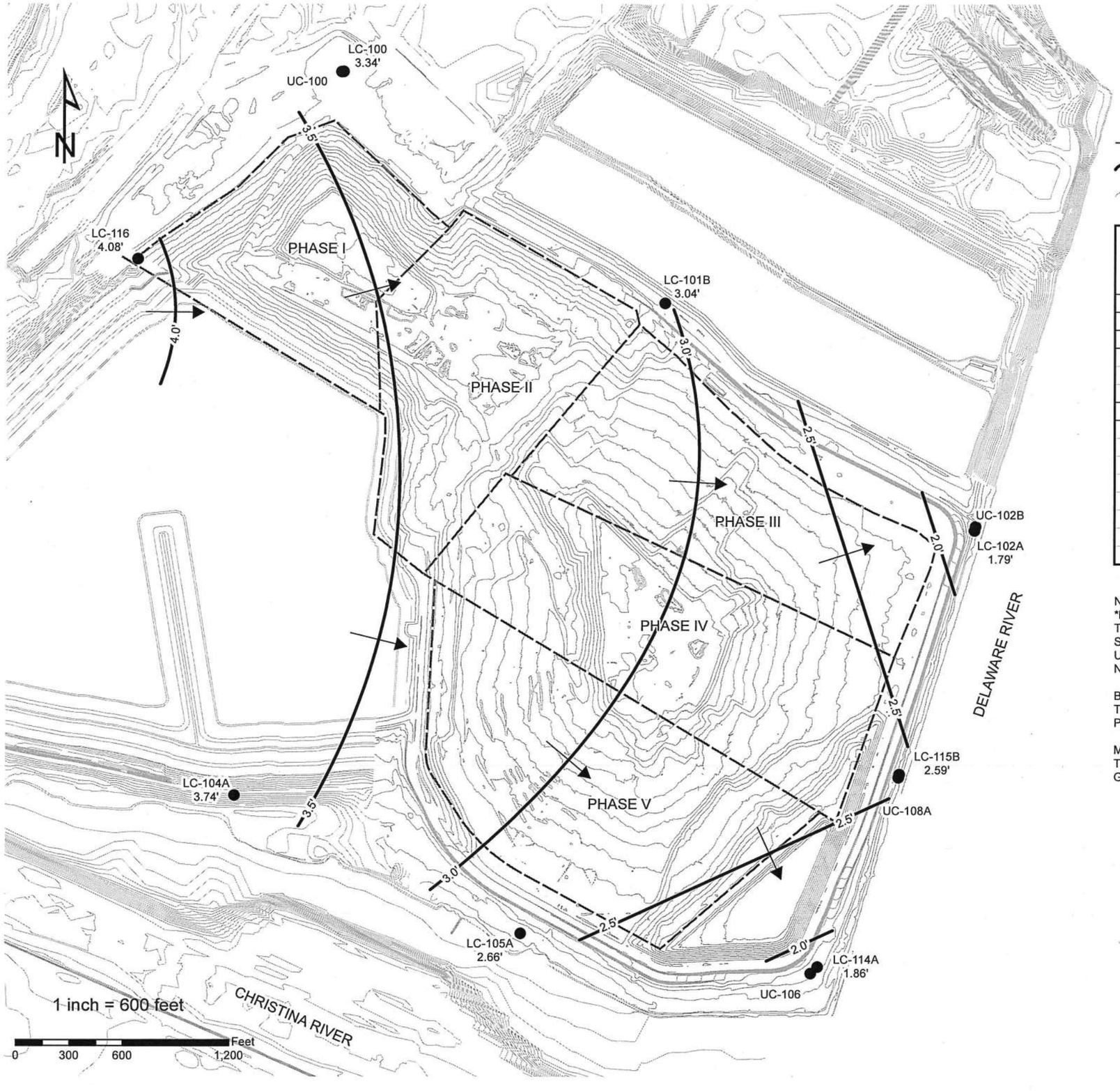

LEGEND

- MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION
- INFERRED GROUNDWATER FLOW DIRECTION
- GROUNDWATER SURFACE CONTOUR (FEET NGVD)
- SURFACE CONTOUR

WELL IDENTIFICATION NUMBER	REFERENCE POINT ELEVATION (FEET)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FEET NGVD)
Recent Deposits*			
UC-100	18.96	13.25	5.71
Isolated Sand Lens*			
UC-102B	10.14	8.18	1.96
UC-106	29.40	26.73	2.67
UC-108A	11.28	9.19	2.09
Columbia Aquifer			
LC-100	18.74	15.40	3.34
LC-101B	31.06	28.02	3.04
LC-102A	10.29	8.50	1.79
LC-104A	25.41	21.67	3.74
LC-105A	13.01	10.35	2.66
LC-114A	29.52	27.66	1.86
LC-115B	11.35	8.76	2.59
LC-116	28.96	24.88	4.08

NOTE:
*DESPITE COLUMBIA AQUIFER DESIGNATION, THESE WELLS ARE SUSPECTED OF BEING SCREENED WITHIN DISTINCT MINOR HYDROLOGIC UNITS ABOVE THE COLUMBIA AQUIFER; THEY HAVE NOT BEEN USED IN CONTOURING.

BRICKHOUSE ENVIRONMENTAL REPRODUCED THIS GENERALIZED SITE MAP BASED ON MAPS PROVIDED BY DSWA.

MAP SOURCES:
TOPOGRAPHIC DATA - DSWA
GROUNDWATER DATA - BE SITE VISIT SEPTEMBER 4, 2018

State of Delaware
DBS
DOUGLAS B. SCHOTT
S4-0001181
11/12/18
Licensed Professional Geologist

POTENTIOMETRIC SURFACE ELEVATION - COLUMBIA AQUIFER - SEPTEMBER 4, 2018

COLUMBIA AQUIFER
DSWA - CHERRY ISLAND LANDFILL

FIGURE 6

DESIGNED BY: SCV
CHECKED BY: DBS
Date: 11/12/2018

BRICKHOUSE ENVIRONMENTAL
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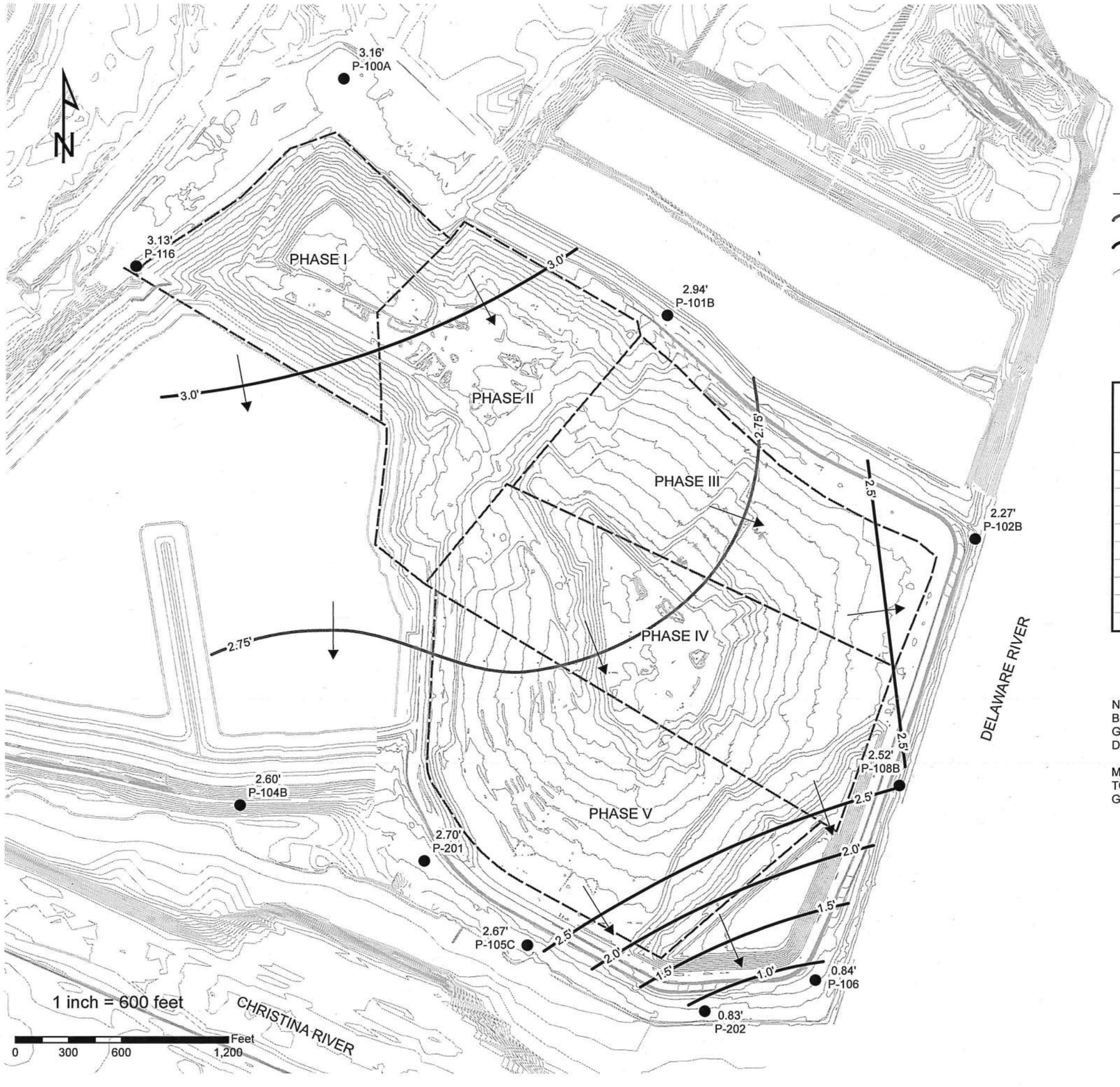

LEGEND

- MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION
- INFERRED GROUNDWATER FLOW DIRECTION
- INTERMEDIATE GROUNDWATER SURFACE CONTOUR (FEET NGVD)
- GROUNDWATER SURFACE CONTOUR (FEET NGVD)
- SURFACE CONTOUR

WELL IDENTIFICATION NUMBER	REFERENCE POINT ELEVATION (FEET)	DEPTH TO WATER* (FEET)	GROUNDWATER ELEVATION (FEET NGVD)
P-100A	17.73	14.57	3.16
P-101B	30.90	27.96	2.94
P-102B	10.59	8.32	2.27
P-104B	26.63	24.03	2.60
P-105C	13.02	10.35	2.67
P-106	28.13	27.29	0.84
P-108B	11.33	8.81	2.52
P-116	26.21	23.08	3.13
P-201	18.80	16.10	2.70
P-202	18.68	17.85	0.83

NOTE:
BRICKHOUSE ENVIRONMENTAL REPRODUCED THIS GENERALIZED SITE MAP BASED ON MAPS PROVIDED BY DSWA.

MAP SOURCES:
TOPOGRAPHIC DATA - DSWA
GROUNDWATER DATA - BE SITE VISIT SEPTEMBER 4, 2018

State of Delaware
DBS
DOUGLAS B. SCHOTT
S4-0001181
11/12/18
Licensed Professional Geologist

POTENTIOMETRIC SURFACE ELEVATION - POTOMAC AQUIFER - SEPTEMBER 4, 2018

POTOMAC AQUIFER
DSWA - CHERRY ISLAND LANDFILL

DESIGNED BY: SCV
CHECKED BY: DBS
Date: 11/12/2018

FIGURE 7

BRICKHOUSE ENVIRONMENTAL
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Table 1
Groundwater Sample Field Analytical Results Summary
September 2018 Monitoring Event
Delaware Solid Waste Authority - Cherry Island Landfill
BE Project No. 10-2671-21

Monitoring Well Designation	DATE SAMPLED	TIME	TOIC ELEV.	D.T.W. (feet) 9/4/18	GW ELEV. (casing - feet)	TOTAL DEPTH (casing - feet)	pH (SU)	SpCond. (umhos/cm)	TEMP (C)	REDOX (mV)	D.O. (mg/l)	TURBIDITY (NTU)	COMMENTS
UC-100	9/4/2018	11:16	18.96	13.25	5.71	38.24	N/S	N/S	N/S	N/S	N/S	N/S	None
LC-100	9/4/2018	11:40	18.74	15.40	3.34	59.30	5.65	2,314	15.8	32.9	1.02	1.3	None
LC-101B	9/4/2018	14:42	31.06	28.02	3.04	73.20	6.25	1,520	19.5	-100.6	0.21	2.2	None
UC-102B	9/4/2018	14:17	10.14	8.18	1.96	37.90	6.44	1,967	16.6	-61.9	0.34	9.9	Slight Yellow hue
LC-102A	9/4/2018	14:02	10.29	8.50	1.79	77.33	6.60	2,455	18.8	-115.8	0.56	7.7	Yellow hue
LC-104A	9/4/2018	12:39	25.41	21.67	3.74	139.70	6.38	940	20.8	-122.0	0.56	6.3	None
LC-105A	9/5/2018	14:06	13.01	10.35	2.66	69.00	6.60	2,474	17.6	-103.7	0.70	1.1	Slight Yellow hue
UC-106	9/5/2018	13:23	29.40	26.73	2.67	45.30	6.80	1,039	18.1	-111.2	0.30	9.7	Slight Yellow hue
UC-108A	9/5/2018	11:44	11.28	9.19	2.09	43.91	6.64	1,500	20.6	-106.3	0.25	5.6	Slight Yellow hue
LC-114A	9/5/2018	12:54	29.52	27.66	1.86	129.60	7.26	1,178	20.8	-134.7	0.70	7.3	None
LC-115B	9/5/2018	11:58	11.35	8.76	2.59	138.50	6.50	1,756	19.0	-64.3	0.33	21.3	None
LC-116	9/4/2018	13:07	28.96	24.88	4.08	63.80	6.28	1,677	18.0	-105.1	0.15	5.5	Slight Yellow hue
P-100A	9/4/2018	11:33	17.73	14.57	3.16	91.82	5.77	1,816	18.3	84.5	0.61	13.5	None
P-101B	9/4/2018	14:33	30.90	27.96	2.94	145.50	6.72	744	20.5	-70.6	0.60	1.6	None
P-102B	9/4/2018	14:10	10.59	8.32	2.27	165.95	7.86	1,127	18.1	-141.7	0.32	11.2	None
P-104B	9/4/2018	12:49	26.63	24.03	2.60	196.21	6.92	1,088	18.8	-118.3	0.30	1.2	None
P-105C	9/5/2018	14:14	13.02	10.35	2.67	187.60	8.92	963	18.0	-216.4	0.17	4.7	None
P-106	9/5/2018	13:04	28.13	27.29	0.84	168.20	6.88	658	23.2	-73.0	1.30	7.0	None
P-108B	9/5/2018	11:51	11.33	8.81	2.52	179.75	6.68	669	19.5	45.9	3.44	7.5	None
P-116	9/4/2018	13:15	26.21	23.08	3.13	108.85	6.64	1,098	18.2	-84.1	0.31	2.1	None
P-201	9/5/2018	13:54	18.80	16.10	2.70	160.90	7.14	809	17.8	54.8	1.99	3.9	None
P-202	9/5/2018	14:26	18.68	17.85	0.83	159.90	7.04	1,090	18.4	-98.9	0.28	4.8	None

Notes:
Only depth to water measurements are collected from UC-100.
D.T.W. Depth to water measurements were collected on September 4, 2018 while the tide was coming in, just prior to peak tide.
Total well depth measurements were collected on September 4-5, 2018.
TOIC = Top of Inner Casing
S.U. = Standard Units
umhos/cm = micromhos per centimeter
mg/l = milligrams per liter
N/S = Not Sampled
NTU = Nephelometric Turbidity Unit
C = Celsius
mV = millivolts

Table 2
Groundwater Sample Laboratory Analytical Results Summary
September 2018 Quarterly Monitoring Event
Delaware Solid Waste Authority - Northern Solid Waste Management Center-2
Cherry Island Landfill
BE Project No. 10-2671-21

Analytes	Units	LC-105A		LC-116		P-100A		P-101B		P-102B		P-104B		P-105C	
		Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL
General Chemistry															
Specific Conductance	umhos/cm	2,400	1.7	1,570	1.7	1,220	1.7	739	1.7	1,160	1.7	1,090	1.7	999	1.7
pH	Std. Units	6.95	0.01	6.84	0.01	6.43	0.01	7.13	0.01	8.03	0.01	7.48	0.01	8.48	0.01

Analytes	Units	P-106		P-108B		P-116		P-201		P-202		UC-102B		UC-106	
		Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL
General Chemistry															
Specific Conductance	umhos/cm	1,140	1.7	721	1.7	1,090	1.7	840	1.7	1,120	1.7	2,010	1.7	1,700	1.7
pH	Std. Units	7.26	0.01	7.26	0.01	6.54	0.01	7.67	0.01	7.47	0.01	7.13	0.01	7.18	0.01

Analytes	Units	LC-100		LC-101B		LC-104A		LC-114A		LC-102A		LC-115B		LC-115B (DUP)	
		Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL
General Chemistry															
Specific Conductance	umhos/cm	2,270	1.7	1,400	1.7	1,540	1.7	1,530	1.7	2,340	1.7	1,810	1.7	1,780	1.7
pH	Std. Units	6.38	0.01	6.90	0.01	6.83	0.01	7.65	0.01	6.95	0.01	6.90	0.01	6.88	0.01

Analytes	Units	UC-108A		EB-CI-GW-1		TB-CI-GW-1		EB-CI-GW-2		TB-CI-GW-2	
		Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL
General Chemistry											
Specific Conductance	umhos/cm	1,900	1.7	2.6 J	1.7	N.D.	1.7	2.6 J	1.7	N.D.	1.7
pH	Std. Units	7.06	0.01	7.28	0.01	6.38	0.01	7.28	0.01	6.13	0.01

Notes:
MDL = Method Detection Limit
J = Estimated value ≥ the Method Detection Limit (MDL) or (DL) and < the Limits of Quantitation (LOQ or RL)
ND = Not detected
umhos/cm = micromhos/centimeter

Table 3
Surface Water Sample Field Analytical Results
September 2018 Quarterly Surface Water Monitoring Event
Delaware Solid Waste Authority - Northern Solid Waste Management Center-2
Cherry Island Landfill
BE Project No. 10-2671-21

Surface Water Monitoring Point	DATE	TIME	pH (SU)	SpC. (umhos/cm)	TEMP (C)	REDOX (mV)	D.O. (mg/l)	TURBIDITY (NTU)	COMMENTS
DE River Upstream (R1) (Low Tide)	9/5/2018	15:15	7.23	255	29.8	84.2	7.73	78.2	None
DE River Downstream (R2) (Low Tide)	9/5/2018	14:50	7.19	258	28.5	20.8	7.60	92.2	None
DE River Upstream (R1) (High Tide)	9/5/2018	9:05	7.09	256	27.7	197.2	8.09	10.1	None
DE River Downstream (R2) (High Tide)	9/5/2018	8:45	6.96	323	27.5	214.1	8.72	11.1	None
Northern SMB (SW-1)	9/5/2018	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Dry - Not Flowing
Christina River (SW-5)	9/5/2018	10:35	7.60	271	29.5	189.2	10.49	15.6	None
12th Street (SW-6)	9/5/2018	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Dry - Not Flowing
Phase V Sedimentation Basin (LP-8)	9/5/2018	10:55	7.18	522	27.5	197.2	2.25	10.9	None
Drop Inlet 4 (DI-4)	9/18/2018	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Dry - Not Flowing
Drop Inlet 5 (DI-5)	9/18/2018	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Dry - Not Flowing

Note:
N/A: Not Applicable; location was dry during the September 2018 monitoring event.
SU = Standards Units
umhos/cm = micromhos/centimeter
C = Celcius
mV = millivolts
mg/l = milligrams per liter
NTU = Nephelometric Turbitity Unit

Table 4
Surface Water Sample - Laboratory Analytical Results Summary
September 2018 Quarterly Surface Water Monitoring Event
Delaware Solid Waste Authority - Northern Solid Waste Management Center-2
Cherry Island Landfill
BE Project No. 10-2671-21

Analytes	Units	Christina River (SW-5)		DE River Downstream (R-2) (Low Tide)		DE River Upstream (R-1) (Low Tide)		DE River Downstream (R-2) (High Tide)		DE River Upstream (R-1) (High Tide)		Phase V Sedimentation Basin (LP-8)		EB-CIL-SW		TB-CIL-SW	
		Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL	Results	MDL
General Chemistry																	
Specific Conductance	umhos/cm	274	1.7	255	1.7	257	1.7	258	1.7	249	1.7	550	1.7	N.D.	1.7	N.D.	1.7
SGT-HEM (TPH)	mg/l	N.D.	1.4	N.D.	1.4	N.D.	1.4	N.D.	1.4	N.D.	1.4	N.D.	1.4	N.D.	1.4	N.D.	1.4
HEM (oil & grease)	mg/l	N.D.	1.4	N.D.	1.4	N.D.	1.4	N.D.	1.4	N.D.	1.4	N.D.	1.4	N.D.	1.4	N.D.	1.4
Chloride	mg/l	43.4	4	35.4	4	37.0	4	38.1	4	35.6	4	13.8	1	N.D.	0.2	N.D.	0.2
Nitrate Nitrogen	mg/l	1.5	0.25	1.7	0.25	1.7	0.25	1.6	0.25	1.6	0.25	0.47 J	0.25	N.D.	0.05	N.D.	0.05
Sulfate	mg/l	17.1	1.5	18.1	1.5	18.0	1.5	16.8	1.5	16.7	1.5	131	6	N.D.	0.3	N.D.	0.3
Ammonia Nitrogen	mg/l	N.D.	0.25	N.D.	0.75	N.D.	0.75	N.D.	0.75	N.D.	0.75	0.60 J	0.25	N.D.	0.08	N.D.	0.08
Kjeldahl Nitrogen	mg/l	N.D.	0.5	1.03	0.5	N.D.	0.5	N.D.	0.5	N.D.	0.5	0.72 J	0.5	N.D.	0.5	N.D.	0.5
Total Phosphorus as P (water)	mg/l	0.077 J	0.05	0.22	0.05	0.13	0.05	N.D.	0.05	N.D.	0.05	N.D.	0.05	N.D.	0.05	N.D.	0.05
Orthophosphate as P	mg/l	0.052	0.003	0.060	0.003	0.061	0.003	0.056	0.003	0.056	0.003	0.064	0.003	0.0044 J	0.003	0.0044 J	0.003
Chemical Oxygen Demand	mg/l	13.7 J	12.8	30.6 J	12.8	20.1 J	12.8	N.D.	12.8	N.D.	12.8	19.9 J	12.8	N.D.	12.8	N.D.	12.8
Phenolphthalein Alk. to pH 8.3	mg/l as CaCO3	N.D.	1.7	N.D.	1.7	N.D.	1.7	N.D.	1.7	N.D.	1.7	N.D.	1.7	N.D.	1.7	N.D.	1.7
Total Alkalinity to pH 4.5	mg/l as CaCO3	40.9	1.7	44.5	1.7	44.6	1.7	43.3	1.7	45.6	1.7	116	1.7	N.D.	1.7	N.D.	1.7
Total Hardness	mg/l as CaCO3	69.7	3	74.0	6	73.8	6	65.9	3	66.7	3	221	3	N.D.	3	N.D.	3
Total Dissolved Solids	mg/l	152	20	143	20	83.0	20	141	20	139	20	348	40	N.D.	20	N.D.	20
Total Suspended Solids	mg/l	112	3	121	5	92.5	5	10.3	1	9.40	1	4.63	1	1.34 J	1	N.D.	1
Organic Nitrogen	mg/l	N.D.	0.5	1.03 J	0.75	N.D.	0.75	N.D.	0.75	N.D.	0.75	N.D.	0.5	N.D.	0.5	N.D.	0.5
pH	Std. Units	7.83	0.01	7.70	0.01	7.71	0.01	7.82	0.01	8.02	0.01	7.72	0.01	5.98	0.01	6.01	0.01
Silica (as SiO2)	mg/l	3.5	0.5	3.8	0.5	2.4	0.1	4.1	0.5	3.9	0.5	9.5	0.5	0.13 J	0.1	0.34 J	0.1
Biochemical Oxygen Demand-BOD	mg/l	4.68	2	2.79	2	2.62	2	2.06	2	4.85	2	N.D.	2	N.D.	2	N.D.	2
Total Organic Carbon	mg/l	3.7	0.5	3.4	0.5	3.4	0.5	3.5	0.5	3.5	0.5	4.8	0.5	N.D.	0.5	1.4	0.5
Arsenic	mg/l	N.D.	0.016	N.D.	0.016	N.D.	0.016	N.D.	0.016	N.D.	0.016	N.D.	0.016	N.D.	0.016	N.D.	0.016
Cadmium	mg/l	N.D.	0.001	N.D.	0.001	N.D.	0.001	N.D.	0.001	N.D.	0.001	N.D.	0.001	N.D.	0.001	N.D.	0.001
Calcium	mg/l	17.5	0.033	18.5	0.033	18.7	0.033	17.2	0.033	17.1	0.033	65.8	0.033	N.D.	0.033	N.D.	0.033
Chromium	mg/l	0.0053 J	0.0053	0.0098 J	0.0053	0.0070 J	0.0053	N.D.	0.0053	N.D.	0.0053	N.D.	0.0053	N.D.	0.0053	N.D.	0.0053
Copper	mg/l	N.D.	0.0062	0.0113 J	0.0062	N.D.	0.0062	N.D.	0.0062	N.D.	0.0062	N.D.	0.0062	N.D.	0.0062	N.D.	0.0062
Iron	mg/l	2.29	0.04	5.81	0.04	3.95	0.04	0.496	0.04	0.365 J	0.04	0.381 J	0.04	N.D.	0.04	N.D.	0.04
Lead	mg/l	0.0085 J	0.0071	0.0102 J	0.0071	0.0103 J	0.0071	N.D.	0.0071	N.D.	0.0071	N.D.	0.0071	N.D.	0.0071	N.D.	0.0071
Magnesium	mg/l	6.88	0.019	7.36	0.019	7.03	0.019	6.26	0.019	6.05	0.019	15.5	0.019	N.D.	0.019	N.D.	0.019
Manganese	mg/l	0.123	0.0011	0.341	0.0011	0.281	0.0011	0.0282 J	0.0011	0.0238 J	0.0011	0.272	0.0011	N.D.	0.0011	N.D.	0.0011
Nickel	mg/l	0.0034 J	0.0031	0.0074 J	0.0031	0.0066 J	0.0031	N.D.	0.0031	N.D.	0.0031	0.0035 J	0.0031	N.D.	0.0031	N.D.	0.0031
Potassium	mg/l	3.00	0.203	3.44	0.203	3.14	0.203	2.50	0.203	2.35	0.203	14.1	0.203	N.D.	0.203	N.D.	0.203
Sodium	mg/l	24.3	0.326	19.9	0.326	19.8	0.326	21.2	0.326	19.4	0.326	14.6	0.326	N.D.	0.326	N.D.	0.326
Tin	mg/l	N.D.	0.007	N.D.	0.007	N.D.	0.007	N.D.	0.007	N.D.	0.007	N.D.	0.007	N.D.	0.007	N.D.	0.007
Zinc	mg/l	0.0269 J	0.003	0.0391 J	0.003	0.0310 J	0.003	0.0064 J	0.003	0.0052 J	0.003	0.0050 J	0.003	N.D.	0.003	N.D.	0.003
Hexavalent Chromium	mg/l	N.D.	0.01	N.D.	0.01	N.D.	0.01	N.D.	0.01	N.D.	0.01	N.D.	0.01	N.D.	0.01	N.D.	0.01
Mercury	mg/l	N.D.	0.00005	N.D.	0.00005	N.D.	0.00005	N.D.	0.00005	N.D.	0.00005	N.D.	0.00005	N.D.	0.00005	N.D.	0.00005
TPH-DRO water C10-C28	ug/l	N.D.	36	N.D.	34	N.D.	38	N.D.	36	N.D.	37	110	34	N.D.	38	N.D.	36
PCB-1016	ug/l	N.D. D1	0.082	N.D. D1	0.081	N.D. D1	0.08	N.D. D1	0.082	N.D. D1	0.091	N.D. D1	0.08	N.D. D1	0.08	N.D. D1	0.083
PCB-1221	ug/l	N.D. D1	0.082	N.D. D1	0.081	N.D. D1	0.08	N.D. D1	0.082	N.D. D1	0.091	N.D. D1	0.08	N.D. D1	0.08	N.D. D1	0.083
PCB-1232	ug/l	N.D. D1	0.16	N.D. D1	0.16	N.D. D1	0.16	N.D. D1	0.16	N.D. D1	0.18	N.D. D1	0.16	N.D. D1	0.16	N.D. D1	0.17
PCB-1242	ug/l	N.D. D1	0.082	N.D. D1	0.081	N.D. D1	0.08	N.D. D1	0.082	N.D. D1	0.091	N.D. D1	0.08	N.D. D1	0.08	N.D. D1	0.083
PCB-1248	ug/l	N.D. D1	0.082	N.D. D1	0.081	N.D. D1	0.08	N.D. D1	0.082	N.D. D1	0.091	N.D. D1	0.08	N.D. D1	0.08	N.D. D1	0.083
PCB-1254	ug/l	N.D. D1	0.082	N.D. D1	0.081	N.D. D1	0.08	N.D. D1	0.082	N.D. D1	0.091	N.D.D2	0.08	N.D. D1	0.08	N.D. D1	0.083
PCB-1260	ug/l	N.D. D1	0.12	N.D. D1	0.12	N.D. D1	0.12	N.D. D1	0.12	N.D. D1	0.14	N.D. D1	0.12	N.D. D1	0.12	N.D. D1	0.12
Total PCBs	ug/l	N.D.	0.082	N.D.	0.081	N.D.	0.08	N.D.	0.082	N.D.	0.091	N.D.	0.08	N.D.	0.08	N.D.	0.083
Benzene	ug/l	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2
Ethylbenzene	ug/l	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2
Toluene	ug/l	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2	N.D.	0.2
Xylene (Total)	ug/l	N.D.	0.5	N.D.	0.5	N.D.	0.5	N.D.	0.5	N.D.	0.5	N.D.	0.5	N.D.	0.5	N.D.	0.5
4-Methylphenol	ug/l	N.D.	0.5	N.D.	0.5	N.D.	0.5	N.D.	0.5	N.D.	0.5	N.D.	0.5	N.D.	0.5	N.D.	0.5
a-Terpineol	ug/l	N.D.	0.4	N.D.	0.4	N.D.	0.4	N.D.	0.4	N.D.	0.4	N.D.	0.4	N.D.	0.4	N.D.	0.4
Benzoic acid	ug/l	N.D.	12	N.D.	12	N.D.	12	20 J	12	N.D.	13	N.D.	12	N.D.	12	N.D.	12
Phenols (water)	mg/l	N.D.	0.01	N.D.	0.01	N.D.	0.01	N.D.	0.01	N.D.	0.01	N.D.	0.01	N.D.	0.01	N.D.	0.01

Notes:
MDL = Method Detection Limit
J = Estimated value ≥ the Method Detection Limit (MDL) or (DL) and < the Limits of Quantitation (LOQ or RL)
D1 - Indicates for dual column analyses that the result is reported from column 1.
N.D. = Not Detected
ug/l = micrograms per liter
mg/l = milligrams per liter

Table 5
Leachate Sample Field Analytical Results Summary
July - September 2018 Monitoring Events
Delaware Solid Waste Authority - Northern Solid Waste Management Center-2
Cherry Island Landfill
BE Project No. 10-2671-21

Leachate Monitoring Point	DATE	TIME	pH (SU)	SpC. (uhmos/cm)	TEMP [C]	REDOX (mV)	COMMENTS
CI-MPS	7/3/2018	10:00	7.45	9,923	25.7	41	Mixed
	7/17/2018	9:35	7.41	10,500	25.2	137	Unmixed
	8/7/2018	14:34	7.62	8,060	26.4	42	Unmixed
	9/5/2018	9:45	7.56	8,207	21.1	115	Mixed
	9/18/2018	9:40	7.26	8,799	24.9	45	Unmixed

NOTES:
SU = Standard Units
uhmos/cm = micromhos/centimeter
C = Celsius
mV = millivolts

Table 6
Leachate Sample - Laboratory Analytical Results Summary
July 2018 Mixed Monitoring Event
Delaware Solid Waste Authority - Northern Solid Waste Management Center-1
Cherry Island Landfill
BE Project No. 10-2671-21

Analyte	Units	CI-MPS Mixed		EB/N2		TB/N2	
		Results	MDL	Results	MDL	Results	MDL
Specific Conductance	umhos/cm	8,850	8.5	2.6 J	1.7	N.D.	1.7
Total Suspended Solids	mg/l	7.31	1	N.D.	1	N.D.	1
pH	Std. Units	7.78	0.01	6.45	0.01	6.37	0.01
Ammonia-Nitrogen	mg/l	375.29	1.25	N.D.	0.08	N.D.	0.08
Biochemical Oxygen Demand-BOD	mg/l	29.1	2	N.D.	2	N.D.	2
Arsenic	mg/l	0.0328 J	0.016	N.D.	0.016	N.D.	0.016
Chromium	mg/l	0.0530	0.0053	N.D.	0.0053	N.D.	0.0053
Copper	mg/l	0.0285 J	0.0062	N.D.	0.0062	N.D.	0.0062
Lead	mg/l	N.D.	0.0071	N.D.	0.0071	N.D.	0.0071
Nickel	mg/l	0.0337	0.0031	N.D.	0.0031	N.D.	0.0031
Zinc	mg/l	0.0066 J	0.003	N.D.	0.003	N.D.	0.003
Total Cyanide (water)	mg/l	0.042	0.005	N.D.	0.005	N.D.	0.005
Phenols (water)	mg/l	N.D.	0.25	N.D.	0.01	N.D.	0.01

Notes:
umhos/cm = micromhos/centimeter
mg/l = milligrams per liter
N.D. = Not Detected
MDL = Method Detection Limit
J = Estimated value ≥ the Method Detection Limit (MDL) or (DL) and < the Limits ofQuantitation (LOQ or RL)

Table 7
Leachate Sample - Laboratory Analytical Results Summary
July Unmixed 2018 Monitoring Event
Delaware Solid Waste Authority - Northern Solid Waste Management Center-1
Cherry Island Landfill
BE Project No. 10-2671-21

Analyte	Units	CI-MPS Unmixed		EB/N2		TB/N2	
		Results	MDL	Results	MDL	Results	MDL
Specific Conductance	umhos/cm	8,970	8.5	3.5 J	1.7	N.D.	1.7
Chloride	mg/l	806	40	0.34 J	0.2	N.D.	0.2
Sulfate	mg/l	64.3	1.5	0.35 J	0.3	N.D.	0.3
Nitrate Nitrogen	mg/l	N.D.	0.25	0.079 J	0.05	N.D.	0.05
Kjeldahl Nitrogen	mg/l	363.63	25	N.D.	0.5	N.D.	0.5
Chemical Oxygen Demand	mg/l	730	32	N.D.	12.8	N.D.	12.8
Total Alkalinity to pH 4.5	mg/l as CaCO3	3,050	8.5	1.8 J	1.7	N.D.	1.7
Phenolphthalein Alk. to pH 8.3	mg/l as CaCO3	N.D.	8.5	N.D.	1.7	N.D.	1.7
Total Dissolved Solids	mg/l	3,570	160	N.D.	20	N.D.	20
Total Suspended Solids	mg/l	4.63	1	N.D.	2	N.D.	1
Organic Nitrogen	mg/l	N.D.	25	N.D.	0.5	N.D.	0.5
pH	Std. Units	7.82	0.01	6.48	0.01	5.94	0.01
Ammonia-Nitrogen	mg/l	371.05	1.25	N.D.	0.08	N.D.	0.08
Sulfide	mg/l	N.D.	0.7	N.D.	0.7	N.D.	0.7
Silica (as SiO2)	mg/l	49.7	2.5	0.76	0.1	0.18 J	0.1
Biochemical Oxygen Demand-BOD	mg/l	36.9 W	2	N.D. W	2	N.D. W	2
Total Organic Carbon	mg/l	209	5	N.D.	0.5	N.D.	0.5
Calcium	mg/l	140	0.033	0.350 J	0.033	N.D.	0.033
Iron	mg/l	1.56	0.04	N.D.	0.04	N.D.	0.04
Magnesium	mg/l	224	0.019	0.128 J	0.019	N.D.	0.019
Potassium	mg/l	203	0.203	N.D.	0.203	N.D.	0.203
Sodium	mg/l	712	1.63	0.677 J	0.326	N.D.	0.326
Arsenic	mg/l	0.0394 J	0.016	N.D.	0.016	N.D.	0.016
Chromium	mg/l	0.0540	0.0053	N.D.	0.0053	N.D.	0.0053
Copper	mg/l	0.0078 J	0.0062	0.0078 J	0.0062	N.D.	0.0062
Lead	mg/l	N.D.	0.0071	N.D.	0.0071	N.D.	0.0071
Manganese	mg/l	1.18	0.0011	0.0038 J	0.0011	N.D.	0.0011
Nickel	mg/l	0.0402	0.0031	N.D.	0.0031	N.D.	0.0031
Zinc	mg/l	0.0087 J	0.003	N.D.	0.003	N.D.	0.003
Total Cyanide (water)	mg/l	0.036	0.005	N.D.	0.005	N.D.	0.005
Phenols (water)	mg/l	N.D.	0.25	N.D.	0.01	N.D.	0.01

NOTES:
MDL = Method Detection Limits
J = Estimated value ≥ the Method Detection Limit (MDL) or (DL) and < the Limits of Quantitation (LOQ or RL)
W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
N.D. = Non Detect
umhos/cm = micromhos/centimeter
mg/l = milligrams per liter

Table 8
Leachate Sample - Laboratory Analytical Results Summary
August 2018 Unmixed Monitoring Event
Delaware Solid Waste Authority - Northern Solid Waste Management Center-1
Cherry Island Landfill
BE Project No. 10-2671-21

Analyte	Units	CI-MPS Unmixed		EB/N2		TB/N2	
		Results	MDL	Results	MDL	Results	MDL
Specific Conductance	umhos/cm	8,730	8.5	2.1 J	1.7	N.D.	1.7
Chloride	mg/l	888	40	N.D.	0.2	N.D.	0.2
Sulfate	mg/l	34.4	1.5	N.D.	0.3	N.D.	0.3
Nitrate Nitrogen	mg/l	N.D.	0.25	N.D.	0.05	N.D.	0.05
Kjeldahl Nitrogen	mg/l	324.50	62.5	N.D.	0.5	0.52 J	0.5
Chemical Oxygen Demand	mg/l	611	64	N.D.	12.8	N.D.	12.8
Total Alkalinity to pH 4.5	mg/l as CaCO3	2,920	8.5	N.D.	1.7	N.D.	1.7
Phenolphthalein Alk. to pH 8.3	mg/l as CaCO3	N.D.	8.5	N.D.	1.7	N.D.	1.7
Total Dissolved Solids	mg/l	4,450	400	N.D.	20	N.D.	20
Total Suspended Solids	mg/l	7.00 J	3	N.D.	1	N.D.	1
Organic Nitrogen	mg/l	N.D.	62.5	N.D.	0.5	0.52 J	0.5
pH	Std. Units	7.52	0.01	6.55	0.01	6.09	0.01
Ammonia-Nitrogen	mg/l	350.57	1.25	N.D.	0.08	N.D.	0.08
Sulfide	mg/l	1.4 J	0.7	N.D.	0.7	N.D.	0.7
Silica (as SiO2)	mg/l	48.6	2.5	0.15 J	0.1	N.D.	0.1
Biochemical Oxygen Demand-BOD	mg/l	35.9	2	N.D.	2	N.D.	2
Total Organic Carbon	mg/l	213	5	N.D.	0.5	N.D.	0.5
Calcium	mg/l	165	0.033	0.0887 J	0.033	N.D.	0.033
Iron	mg/l	1.68	0.04	N.D.	0.04	N.D.	0.04
Magnesium	mg/l	233	0.019	0.0372 J	0.019	N.D.	0.019
Potassium	mg/l	215	0.203	N.D.	0.203	1.48	0.203
Sodium	mg/l	722	1.63	N.D.	0.326	0.963 J	0.326
Arsenic	mg/l	0.0259 J	0.016	N.D.	0.016	N.D.	0.016
Chromium	mg/l	0.0549	0.0053	N.D.	0.0053	N.D.	0.0053
Copper	mg/l	N.D.	0.0062	N.D.	0.0062	N.D.	0.0062
Lead	mg/l	N.D.	0.0071	N.D.	0.0071	N.D.	0.0071
Manganese	mg/l	1.60	0.0011	N.D.	0.0011	N.D.	0.0011
Nickel	mg/l	0.0409	0.0031	N.D.	0.0031	N.D.	0.0031
Zinc	mg/l	0.0040 J	0.003	N.D.	0.003	0.0604	0.003
Total Cyanide (water)	mg/l	0.052	0.005	N.D.	0.005	N.D.	0.005
Phenols (water)	mg/l	N.D.	0.25	N.D.	0.01	N.D.	0.01

Notes:
MDL = Method Detection Limit
mg/l = milligrams per liter
N.D. = Not Detected
J = Estimated value ≥ the MDL and < the Limitis of Quantitation (LOQ or RL)
umhos/cm = micromhos per centimeter

Table 9
Leachate Sample - Laboratory Analytical Results Summary
September 2018 Mixed Monitoring Event
Delaware Solid Waste Authority - Northern Solid Waste Management Center-1
Cherry Island Landfill
BE Project No. 10-2671-21

Analyte	Units	CI-MPS		EB/N2		TB/N2	
		Results	MDL	Results	MDL	Results	MDL
Specific Conductance	umhos/cm	9,290	8.5	N.D.	1.7	N.D.	1.7
Temperature of pH	Degrees C	23.3	0.010	23.8	0.01	23.8	0.01
Phenols (water)	mg/l	N.D.	0.10	N.D.	0.01	N.D.	0.01
Total Suspended Solids	mg/l	28.0	4	N.D.	1	N.D.	1
pH	Std. Units	7.83	0.01	6.44	0.01	6.08	0.01
Ammonia-Nitrogen	mg/l	330.33	1.25	N.D.	0.06	N.D.	0.06
Sulfide	mg/l	N.D.	0.7	1.9 J	0.7	N.D.	0.7
Biochemical Oxygen Demand	mg/l	59.1	20	N.D.	2	N.D.	2
Antimony	mg/l	N.D.	0.01	0.0125 J	0.01	N.D.	0.0087
Arsenic	mg/l	0.0593 J	0.016	N.D.	0.016	N.D.	0.016
Barium	mg/l	0.381	0.001	N.D.	0.001	N.D.	0.001
Beryllium	mg/l	N.D.	0.001	N.D.	0.001	N.D.	0.001
Cadmium	mg/l	N.D.	0.001	N.D.	0.001	N.D.	0.001
Chromium	mg/l	0.0584	0.0053	N.D.	0.0053	N.D.	0.0053
Cobalt	mg/l	0.0108	0.0015	0.0015 J	0.0015	N.D.	0.0015
Copper	mg/l	0.243	0.0062	N.D.	0.0062	N.D.	0.0062
Lead	mg/l	0.0082 J	0.0071	N.D.	0.0071	N.D.	0.0071
Magnesium	mg/l	237	0.019	0.0337 J	0.019	N.D.	0.019
Molybdenum	mg/l	0.0031 J	0.002	N.D.	0.002	N.D.	0.002
Nickel	mg/l	0.0422	0.0031	N.D.	0.0031	N.D.	0.0031
Selenium	mg/l	N.D.	0.021	N.D.	0.021	N.D.	0.021
Silver	mg/l	N.D.	0.005	N.D.	0.005	N.D.	0.005
Thallium	mg/l	N.D. K2	0.014	N.D.	0.014	N.D.	0.014
Tin	mg/l	0.0071 J	0.007	N.D.	0.007	N.D.	0.007
Vanadium	mg/l	0.0271	0.003	N.D.	0.003	N.D.	0.003
Zinc	mg/l	0.0308 J	0.003	N.D.	0.003	N.D.	0.003
Mercury	mg/l	N.D.	0.00005	N.D.	0.00005	N.D.	0.00005
Total Cyanide (water)	mg/l	0.065	0.005	N.D.	0.005	N.D.	0.005
Detected Pesticides/Herbicides/Dioxin Screen and PCBs*							
Beta BHC	ug/l	0.0054 JD1	0.0027	N.D.	0.0027	N.D.	0.0027
2,4,5-TP	ug/l	0.083 JPD1	0.049	N.D.	0.0095	N.D.	0.0095
Detected Volatile Organic Compounds*							
Acetone	ug/l	100	4	3 J	0.8	N.D.	0.8
2-Butanone	ug/l	59	5	10	1	N.D.	1
Benzene	ug/l	6	1	N.D.	1	N.D.	1
Chlorobenzene	ug/l	10	1	N.D.	1	N.D.	1
Chloroform	ug/l	N.D.	0.2	0.3 J	0.2	0.5 J	0.2
Ethyl ether	ug/l	4 J	4	N.D.	4	N.D.	4
Ethylbenzene	ug/l	1 J	1	N.D.	0.5	N.D.	1
Methylene Chloride	ug/l	N.D.	0.2	0.3 J	0.2	0.3 J	0.2
Tetrahydrofuran	ug/l	120	5	7 J	0.9	N.D.	0.9
Toluene	ug/l	1 J	1	0.4 J	0.2	N.D.	0.2
Detected Semi-Volatile Organic Compounds							
Acenaphthene	ug/l	1	0.1	N.D.	0.1	N.D.	0.1
Anthracene	ug/l	1	0.1	N.D.	0.1	N.D.	0.1
1,4-Dichlorobenzene	ug/l	2 J	0.7	N.D.	0.7	N.D.	0.7
Fluorene	ug/l	1	0.1	N.D.	0.1	N.D.	0.1
2-Methylphenol	ug/l	0.9 J	0.7	N.D.	0.5	2	0.5
4-Methylphenol	ug/l	N.D.	0.5	N.D.	0.5	3	0.5
2-Methylnapthalene	ug/l	N.D.	0.1	N.D.	0.1	0.4 J	0.1
Naphthalene	ug/l	N.D.	0.1	N.D.	0.1	2	0.1
Phenanthrene	ug/l	0.2 J	0.1	N.D.	0.1	N.D.	0.1
Phenol	ug/l	N.D.	0.5	N.D.	0.5	3	0.5

Notes:
* The full list of analyses is included in the attached analytical report.
N.D. - Not Detected
J - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
D1 - Indicates for dual column analyses that the result is reported from column 1.
D2 - Indicates for dual column analyses that the result is reported from column 2.

Table 10
Leachate Sample - Laboratory Analytical Results Summary
September 2018 Unmixed Monitoring Event
Delaware Solid Waste Authority - Northern Solid Waste Management Center-1
Cherry Island Landfill
BE Project No. 10-2671-21

Analyte	Units	CI-MPS		EB/N2		TB/N2	
		Results	MDL	Results	MDL	Results	MDL
Specific Conductance	umhos/cm	8,250	8.5	1.8 J	1.7	N.D.	1.7
Chloride	mg/l	783	40	N.D.	0.2	N.D.	0.2
Fluoride	mg/l	N.D.	0.25	N.D.	0.05	N.D.	0.05
Nitrate Nitrogen	mg/l	N.D.	0.25	N.D.	0.05	N.D.	0.05
Sulfate	mg/l	176	6	N.D.	0.3	N.D.	0.3
Kjeldahl Nitrogen	mg/l	293.30	25	N.D.	0.5	N.D.	0.5
Hydro Phosphorus Analysis	mg/l	N.D.	0.05	N.D.	0.05	N.D.	0.05
Soluble Phosphorus	mg/l	2.6	0.5	N.D.	0.1	N.D.	0.1
Total Phosphorus as P (water)	mg/l	2.7	0.25	0.13	0.05	N.D.	0.05
Ortho-Phosphate as P	mg/l	2.8	0.015	0.0059 J	0.003	0.0038 J	0.003
Chemical Oxygen Demand	mg/l	603	32	N.D.	12.8	N.D.	12.8
Phenolphthalein Alk. to pH 8.3	mg/l as CaCO3	N.D.	8.5	N.D.	1.7	N.D.	1.7
Total Alkalinity to pH 4.5	mg/l as CaCO3	2,750	8.5	N.D.	1.7	N.D.	1.7
Total Dissolved Solids	mg/l	3,470	400	N.D.	9.7	N.D.	9.7
Total Suspended Solids	mg/l	8.96	1	N.D.	1	N.D.	1
Organic Nitrogen	mg/l	N.D.	25	N.D.	0.5	N.D.	0.5
pH	Std. Units	7.62	0.01	5.86	0.01	5.64	0.01
Ammonia-Nitrogen	mg/l	306.05	1.25	N.D.	0.06	N.D.	0.06
Sulfide	mg/l	N.D.	0.7	N.D.	0.7	N.D.	0.7
Silica (as SiO2)	mg/l	44.7	2	N.D.	0.1	N.D.	0.1
Biochemical Oxygen Demand-B	mg/l	29.1	2	N.D.	2	N.D.	2
Total Organic Carbon	mg/l	180	5	N.D.	0.5	0.73 J	0.5
Aluminum	mg/l	N.D.	0.153	N.D.	0.153	N.D.	0.153
Antimony	mg/l	N.D.	0.01	N.D.	0.01	N.D.	0.01
Arsenic	mg/l	0.0350 J	0.016	N.D.	0.016	N.D.	0.016
Barium	mg/l	0.326	0.001	N.D.	0.001	N.D.	0.001
Beryllium	mg/l	N.D.	0.001	N.D.	0.001	N.D.	0.001
Boron	mg/l	7.16	0.012	N.D.	0.012	0.0165 J	0.012
Cadmium	mg/l	N.D.	0.001	N.D.	0.001	N.D.	0.001
Calcium	mg/l	188	0.033	0.0705 J	0.033	N.D.	0.033
Chromium	mg/l	0.0516	0.0053	N.D.	0.0053	N.D.	0.0053
Cobalt	mg/l	0.0104	0.0015	N.D.	0.0015	N.D.	0.0015
Copper	mg/l	0.106	0.0062	N.D.	0.0062	N.D.	0.0062
Iron	mg/l	2.45	0.04	N.D.	0.04	N.D.	0.04
Lead	mg/l	N.D.	0.0071	N.D.	0.0071	N.D.	0.0071
Lithium	mg/l	0.0553 J	0.011	N.D.	0.011	N.D.	0.011
Magnesium	mg/l	226	0.019	0.0326 J	0.019	0.0198 J	0.019
Manganese	mg/l	3.36	0.0011	N.D.	0.0011	N.D.	0.0011
Molybdenum	mg/l	0.0033 J	0.002	N.D.	0.002	0.0036 J	0.002
Nickel	mg/l	0.0332	0.0031	N.D.	0.0031	N.D.	0.0031
Potassium	mg/l	189	0.203	N.D.	0.203	0.323 J	0.203
Selenium	mg/l	N.D.	0.021	N.D.	0.021	N.D.	0.021
Silver	mg/l	N.D.	0.005	N.D.	0.005	N.D.	0.005
Sodium	mg/l	636	1.63	N.D.	0.326	N.D.	0.326
Thallium	mg/l	N.D.	0.014	N.D.	0.014	N.D.	0.014
Tin	mg/l	N.D.	0.007	N.D.	0.007	N.D.	0.007
Vanadium	mg/l	0.0250	0.003	N.D.	0.003	N.D.	0.003
Zinc	mg/l	0.0157 J	0.003	N.D.	0.003	N.D.	0.003
Mercury	mg/l	N.D.	0.00005	N.D.	0.00005	N.D.	0.00005
Phenol	ug/l	N.D.	0.25	N.D.	0.01	N.D.	0.010
Total Cyanide (water)	mg/l	0.054	0.005	N.D.	0.005	0.0075 J	0.005
Acetic Acid	ug/l	N.D.	2000	N.D.	2000	N.D.	2000
Butyric Acid	ug/l	N.D.	2000	N.D.	2000	N.D.	2000
Isobutyric acid	ug/l	N.D.	2000	N.D.	2000	N.D.	2000
Isovaleric Acid	ug/l	N.D.	2000	N.D.	2000	N.D.	2000
Propionic Acid	ug/l	N.D.	2000	N.D.	2000	N.D.	2000
Valeric Acid	ug/l	N.D.	2000	N.D.	2000	N.D.	2000
Detected Pesticides/Herbicides/Dioxin Screen and PCBs*							
Beta BHC	ug/l	0.024 JPD2	0.014	N.D.	0.0020	N.D.	0.0020
Endosulfan I	ug/l	0.063 D1	0.018	N.D.	0.0035	N.D.	0.0035
2,4-D	ug/l	0.36 JPD1	0.24	N.D.	0.24	N.D.	0.24
2,4-DP (Dichloroprop)	ug/l	0.94 PD1	0.16	N.D.	0.15	N.D.	0.15
Detected Volatile Organic Compounds*							
2-Butanone	ug/l	130	10	N.D.	1	N.D.	1
Accetone	ug/l	170 J	8	1 J	0.8	1 J	8
Benzene	ug/l	4 J	2	N.D.	0.2	N.D.	0.2
Chlorobenzene	ug/l	9 J	2	N.D.	0.2	N.D.	0.2
Ethylbenzene	ug/l	2 J	2	N.D.	0.2	N.D.	0.2
Methylene Chloride	ug/l	N.D.	0.2	2	0.2	N.D.	0.2
Toluene	ug/l	N.D.	0.2	0.3 J	0.2	N.D.	0.2
Tetrahydrofuran	ug/l	93 J	9	N.D.	0.9	N.D.	0.9
Detected Semi-Volatile Organic Compounds							
1,2-Dichlorobenzene	ug/l	7	0.5	N.D.	0.5	N.D.	0.5
1,4-Dichlorobenzene	ug/l	2 J	0.5	N.D.	0.5	N.D.	0.5
Acenaphthene	ug/l	1	0.1	N.D.	0.1	N.D.	0.1
Anthracene	ug/l	1	0.1	N.D.	0.1	N.D.	0.1
Fluorene	ug/l	0.7	0.1	N.D.	0.1	N.D.	0.1

Notes:
* The full list of analyses is included in the attached analytical report.
N.D. - Not Detected
J - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this.
D1 - Indicates for dual column analyses that the result is reported from column 1.
D2 - Indicates for dual column analyses that the result is reported from column 2.

Brickhouse Environmental

ATTACHMENT 1

FIELD DATA SHEETS

Location CIL/PPL Date 7/2/18

Project / Client 10-2671.19 AJN

94°F, Sunny

EB/N1 sampled at BE office at 830

EB/N2 sampled at BE office at 845

On site at CIL at 954

Flow readings upon arrival at 1000

	gpm	total #gal
#1	0	889867
#2	617.9	343419
#3	289.5	314839
#4	—	235161

ISCO start-up at 1008

Extra Seep coolers put in CI-MPS pump house.

Off site at 1025

On site at PPL at 1034

ISCO start-up at 1045

Off site at PPL at 1050

Location CIL/PPL Date 7/3/18

Project / Client 10-2671.19 AJN

94°F, Sunny

On site at CIL at 924

* Seep inspection conducted at CIL at 930

Flow readings at 956

	gpm	total #gal
#1	0	889867
#2	0	343624
#3	0	316003
#4	—	236530

CI-MPS field readings.

pH : 7.45

Spc : 9923

redox : 41

temp grab : 25.7

temp comp : 25.8

CI-MPS sampled at 1000

Off site at CIL at 1015

On site at PPL at 1022

Rite in the Rain

Location CIL/PPL Date 7/3/18

Project / Client 10-2671.19 AJN

94°F, Sunny

DRP-PS field readings

pH : 7.76

Spc : 8055

redox : 5

grab temp: 25.9

Comp temp: 24.3

DRP-PS Sampled at 1040

* Seep inspection at PPL at 1045

Off Site at PPL at 1105

AJN

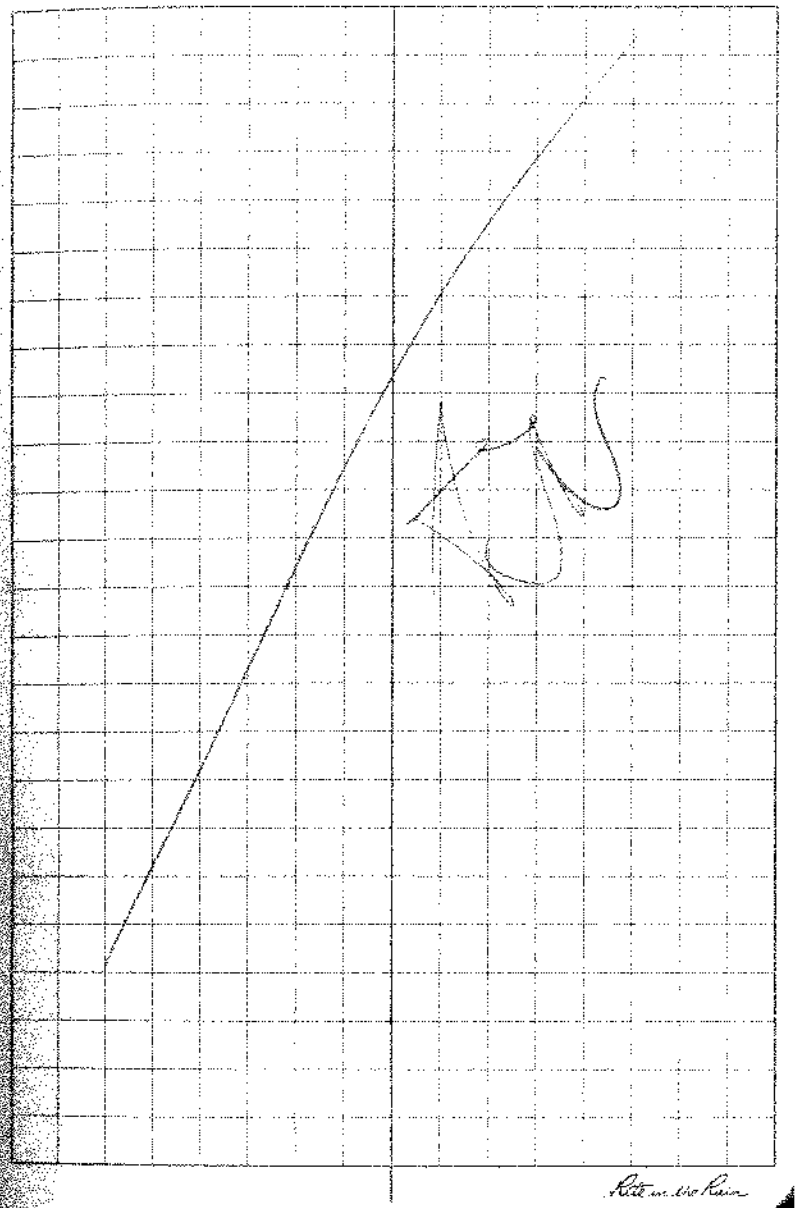
Location CIL/PPL Date 7/3/18

Project / Client 10-2671.19 AJN

94°F, Sunny

AJN

Rite in the Rain



CIL

Leachate - Sampling Form

PPL

Date: 7/ 2 /2018
Sample Time: 845
Weather: 94°F; Sunny

Leachate Point ID: EB/NZ
Samplers: AJN

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	845	-	-	-	-

Sample filtered: Yes___ No X
Composite Temp [C] -

NOTES:
Equipment Blank.

Date: / /2018
Sample Time:

Leachate Point ID:
Samplers:

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS					

Sample filtered: Yes___ No___
Composite Temp [C]

NOTES:

Sampler's Signature Anthony Mirand Date 7/3/18

CIL

Leachate - Sampling Form

PPL

Date: 7/ 3 /2018
Sample Time: 1000
Weather: 94°F; Sunny

Leachate Point ID: CI-MPS
Samplers: AJN

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	1000	7.45	9923	25.7	41

Sample filtered: Yes___ No X
Composite Temp [C] 25.8

NOTES:
Yellowish - Brown hue; Normal leachate odor

Date: 7 / 3 /2018
Sample Time: 1001

Leachate Point ID: TB/NZ
Samplers: AJN

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	1001	-	-	-	-

Sample filtered: Yes___ No X
Composite Temp [C] -

NOTES:
Trip Blank

Sampler's Signature Anthony Minnick Date 7/3/18

38

Location CIL/PPL Date 7/16/18

Project / Client 10-2671.14 AJN

96°F, Sunny

On site at CIL at 942

Flow readings upon arrival at 942

	gpm	total flow
#1	6	889867
#2	0	346143
#3	0	317063
#4	-	240044

Issa Start-up at 935

offsite at CIL at 1000

EB/NZ sampled at 830 at BE office

AJN

39

Location CIL/PPL Date 7/17/18

Project / Client 10-2671.19 AJN

88°F, Sunny

On site at CIL at 910

Flow readings upon arrival at 913

	gpm	total flow
#1	0	889867
#2	0	346280
#3	0	317234
#4	-	240417

CIL-MP2 field readings

pH : 7.41

SpC : 10500

redox : 137

grab temp : 25.2

temp temp : 24.2

CE-MP2 sampled at 935

*Cyanide completed on grab sample

Offsite at CIL at 945

Rite in the Rain

CIL

Leachate - Sampling Form

PPL

Date: 7/16/2018
Sample Time: 830
Weather: 90°F; Sunny

Leachate Point ID: EB/N2
Samplers: AJN

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	830	-	-	-	-

Sample filtered: Yes___ No X
Composite Temp [C] _____

NOTES:
Equipment Blank

Date: / /2018
Sample Time: _____

Leachate Point ID: _____
Samplers: _____

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS					

Sample filtered: Yes___ No___
Composite Temp [C] _____

NOTES:

Sampler's Signature Anthony Minnick Date 7/17/18

CIL

Leachate - Sampling Form

PPL

Date: 7/17/2018
Sample Time: 935
Weather: 88°F; Sunny

Leachate Point ID: CI-MPS
Samplers: AJN

SAMPLING

Method (Bailer, Grab, (ISCO), Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	935	7.41	10500	25.2	137

Sample filtered: Yes___ No X
Composite Temp [C] 24.2

NOTES:
Yellow/ Brown hue; Normal leachate odor

Date: 7/17/2018
Sample Time: 936

Leachate Point ID: TB/NZ
Samplers: AJN

SAMPLING

Method (Bailer, (Grab), ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	936	-	-	-	-

Sample filtered: Yes___ No x
Composite Temp [C] -

NOTES:
Trip Blank

Sampler's Signature Anthony Miranda Date 7/17/18

Location CIL/PPL Date 8/6/18

Project / Client 10-2671.19 AJW

96°F, Sunny

EB/NZ Sampled at B.E. office at 840

EB/N1 Sampled at B.E. office at 850

On Site at CIL at 950

Flow readings upon arrival at 956

	GPM	total gal
#1	0	889867
#2	386.5	360057
#3	0	320368
#4	-	247329

ISCO start-up at CIL at 1010

CIL Sock inspection conducted at 1015

Off Site at CIL at 1035

On Site at PPL at 1046

ISCO Start-up at PPL at 1100

PPL Sock inspection conducted at 1103

Offsite at PPL at 1120

Location CIL/PPL Date 8/6/18

Project / Client 10-2671.19 AJW

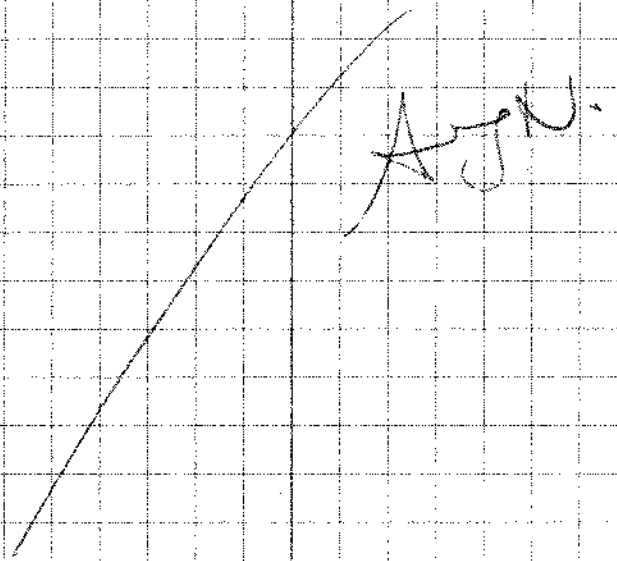
96°F, Sunny

On Site at CIL at 1512

* Re-Start ISCO Sampler due to Sampling line was disconnected

CL-MP3 ISCO Start-up at 1520

Offsite at CIL at 1527



Rite in the Rain

42

Location CIL/PPL Date 8/7/18

Project / Client 10-2671.19 AJW

93°F; Sunny

On Site at PPL at 1014

ORP-PS Field readings

pH : 7.71

Spc : 8652

Redox : 113

Grab temp :

Comp temp : 24.2

ORP-PS Sampled at 1100

Marked SD-North Stormwater Sampling point with a marked Stake

Offsite at 1120

On Site at CIL at 1115

Flow readings upon arrival

	gpm	total flow
#2	0	889864
#2	0	350264
#3	0	320547
#4	-	247686

43

Location CIL/PPL Date 8/7/18

Project / Client 10-2671.19 AJN

93°F; Sunny

CI-MPS field readings

pH : 7.62

Spc : 8060

Redox : 42

grab temp : 26.4

Comp temp : 24.1

CI-MPS Sampled at 1434

*Cyanide collected as Grab Sample

Offsite at 1445

CIL

Leachate - Sampling Form

PPL

Date: 8/ 6 /2018
Sample Time: 840
Weather: 95°F; Sunny

Leachate Point ID: EB/NZ
Samplers: AJN

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	840	-	-	-	-

Sample filtered: Yes___ No_X_
Composite Temp [C] ___-___

NOTES:

Equipment Blank

Date: / /2018
Sample Time:

Leachate Point ID:
Samplers:

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS					

Sample filtered: Yes___ No___
Composite Temp [C] _____

NOTES:

Sampler's Signature Anthony Marinucci Date 8/6/18

CIL

Leachate - Sampling Form

PPL

Date: 8/7/2018
Sample Time: 1434
Weather: 93°F; Sunny

Leachate Point ID: CI-MPS
Samplers: AJN

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	1434	7.62	8,060	26.4	412

Sample filtered: Yes ___ No X
Composite Temp [C] 24.1

NOTES:
Dark yellow / brown hue; Normal leachate odor

Date: 8/7/2018
Sample Time: 1435

Leachate Point ID: TB/NZ
Samplers: AJN

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	1435	-	-	-	-

Sample filtered: Yes - No -
Composite Temp [C] -

NOTES:
Trip Blank

Sampler's Signature Anthony Minnick Date 8/7/18

Location CIL/ PPL Date 9/4/18

Project / Client 10-2671.19 AJN

92°F; Sunny SCV

* EB/N2 Sampled at Bridenhouse offices at 740

On site at CIL at 849

Flow readings upon arrival at 851

	gpm	total Rgal
#1	0	889869
#2	58.54	4646
#3	0	325700
#4	-	253288

ISCO start-up at CI-MPS at 905

VOC grab #1 Sampled at 908
VOC grab #2 sampled at 1035
VOC grab #3 Sampled at 1349
VOC grab #4 Sampled at 1500

ADL barrier Sampled at 1453

Offsite at CIL at 1505

Location CIL/ PPL Date 9/4/18

Project / Client 10-2671.19 AJN

92°F; Sunny SCV

ID	Time	DTW	R1	R2	R3
P-116	937	23.08	23.08	23.08	23.08
LC-116	936	24.88	24.88	24.88	24.88
P-104B	927	24.03	24.03	24.03	24.03
LC-104A	923	21.67	21.67	21.67	21.67
P-201	942	16.10	16.10	16.10	16.10
LC-105A	945	10.35	10.35	10.35	10.35
P-105C	946	10.35	10.35	10.35	10.36
P-202	950	17.85	17.85	17.85	17.85
UC-106	954	26.73	26.73	26.73	26.73
P-106	955	27.29	27.29	27.29	27.29
LC-114A	956	27.66	27.66	27.66	27.66
UC-108A	959	9.19	9.19	9.19	9.19
P-108B	1000	8.81	8.81	8.81	8.81
LC-115B	1001	8.76	8.76	8.76	8.76
UC-102B	1009	8.18	8.18	8.18	8.18
P-102B	1008	8.32	8.32	8.32	8.32
LC-102A	1007	8.50	8.50	8.50	8.50
P-101B	1026	27.96	27.96	27.96	27.96
LC-101B	1027	28.02	28.02	28.02	28.02
P-100A	1122	14.57	14.57	14.57	14.57
UC-100	1116	13.25	13.25	13.25	13.25
LC-100	1115	15.40	15.40	15.40	15.40

Rite in the Rain

Location CIL/PPL Date 9/5/18

Project / Client 10-2671.19 ASN

91°F, Sunny SCV

On site at CIL at 830

* conduct high tide surface water sampling upon arrival

Flow readings upon arrival to pumphouse at 930

	gpm	total Kgal
#1	0	589669
#2	0	4569
#3	0	325879
#4	-	203509

CI-MPS sampled at 945

* overside collected as grab sample

CI-MPS field readings

pH : 7.56

SpC : 8207

redox : 115

grab temp : 21.1

camp temp : 20.8

Off site at 1535

Location CIL/PPL Date 9/6/18

Project / Client 10-2671.19 ASN

93°F, Sunny SAH

On site at PPL at 900

DRP-PS ISCO start-up at 912

VOC grab #1 sampled at 915

VOC grab #2 sampled at 1101

VOC grab #3 sampled at 1238

VOC grab #4 sampled at 1410

1413 - sign out PPL

On site at CIL at 1419

* get extra coolers from CI-MPS pump house.

PPL Residual fines sampled at 1426

Offsite at CIL at 1430

*EB/N1 sampled at BE offices at 730

Rite in the Rain

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Location CIL/PPL Date 9/6/18

Project / Client 10-2671.19 AJW

93°F; Sunny SAH

ID	Time	DTW	R1	R2	R3
Z7R	931	6.60	6.60	6.60	6.60
Z6R	940	10.02	10.02	10.02	10.02
Z5R	936	6.79	6.79	6.79	6.79
1A	945	17.55	17.55	17.55	17.55
1R	946	11.70	11.70	11.70	11.70
31	952	22.71	22.71	22.71	22.71
31A	953	10.43	10.43	10.43	10.43
32	956	8.36	8.36	8.36	8.36
32A	957	8.35	8.35	8.35	8.35
42	1001	9.17	9.17	9.17	9.17
42A	1002	11.65	11.66	11.65	11.66
Z9	1005	16.63	16.63	16.63	16.63
Z9A	1006	7.55	7.55	7.55	7.55
39	1008	5.37	5.37	5.37	5.37
Z8	1013	17.20	17.20	17.20	17.20
Z8A	1012	7.14	7.14	7.14	7.14
41	1014	23.52	23.52	23.52	23.52
41A	1015	23.61	23.61	23.61	23.61
45	1017	24.11	24.11	24.11	24.11
40R	1020	11.54	11.54	11.54	11.54
52	1024	6.24	6.24	6.24	6.24
52A	1025	12.80	12.80	12.80	12.80

49

Location CIL/PPL Date 9/7/18

Project / Client 10-2671.19 AJW

80°F; Sunny/Humid MEL

On Site at PPL at 905

DRP-PS Field Readings

pH : 7.63

SPC : 10290

Redox : 40

grab temp : 22.3

comp temp: 24.0

DRP-PS sampled at 925

* complete GW sampling at PPL

OFF Site at PPL at 1230

AJW

CIL Groundwater - Monitoring and Sampling Form PPL

Date: 9/4 /18
Purge Start Time: 1128
Purge Stop Time: 1133
Weather: 92°F; Sunny

Monitoring Point ID: P-100A

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1128	5.72	1081	25.9	104.7	2.38	71.2
FINAL	1133	5.71	1816	18.3	84.5	0.61	13.5

Sample filtered: Yes___ No_x_
Well sealed upon completion? : Yes_x_ No___

NOTES:
Composite Temp:
Clear; transparent; No odor

Total Depth: 91.82'

Date: 9/4 /18
Purge Start Time: 1135
Purge Stop Time: 1140

Monitoring Point ID: LC-100

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1135	5.69	2242	17.1	44.3	1.30	2.6
FINAL	1140	5.65	2314	15.8	32.9	1.02	1.3

Sample filtered: Yes___ No_x_
Well sealed upon completion? : Yes_x_ No___

NOTES:
Composite Temp:
Clear; transparent; No odor

Total Depth: 59.30'

Samplers Signature Arturo Munoz Date 9/4/18

CIL

Groundwater - Monitoring and Sampling Form

PPL

Date: 9/4/18
Purge Start Time: 1234
Purge Stop Time: 1239
Weather: 92°F; Sunny

Monitoring Point ID: LC-104A

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1234	6.39	847	29.2	-125.4	2.27	44.3
FINAL	1239	6.38	940	20.8	-122.0	0.56	6.3

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Clear; transparent; odorous

Total Depth: 139.70'

Date: 9/4/18
Purge Start Time: 1244
Purge Stop Time: 1249

Monitoring Point ID: P-104B

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1244	6.55	1050	21.9	-90.0	1.17	1.8
FINAL	1249	6.92	1088	18.8	-118.8	0.30	1.2

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Clear; transparent; odorous

Total Depth: 196.21'

Samplers Signature Anthony Minnick Date 9/4/18

CIL

Groundwater - Monitoring and Sampling Form

PPL

Date: 9/4/18
Purge Start Time: 1302
Purge Stop Time: 1307
Weather: 92°F; Sunny

Monitoring Point ID: LC-116

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1302	6.25	1550	20.4	-93.5	0.73	4.8
FINAL	1307	6.28	1677	18.0	-105.1	0.15	5.5

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Slight yellow hue; No odor

Total Depth: 63.80'

Date: 9/4/18
Purge Start Time: 1310
Purge Stop Time: 1315

Monitoring Point ID: P-116

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1310	6.57	1067	18.8	-62.0	1.35	4.2
FINAL	1315	6.64	1098	18.2	-84.1	0.31	2.1

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Clear; transparent; odorous

Total Depth: 108.85'

Samplers Signature Anthony Marinucci Date 9/4/18

CIL Groundwater - Monitoring and Sampling Form PPL

Date: 9/4/18
Purge Start Time: 1357
Purge Stop Time: 1402
Weather: 92°F; Sunny

Monitoring Point ID: LC-102A

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1357	6.50	1616	23.6	-109.6	0.76	27.2
FINAL	1402	6.60	2455	18.8	-115.8	0.56	7.7

Sample filtered: Yes___ No x
Well sealed upon completion? : Yes x No___

NOTES:
Composite Temp:
Yellow hue; odorous

Total Depth: 77.33'

Date: 9/4/18
Purge Start Time: 1405
Purge Stop Time: 1410

Monitoring Point ID: P-102B

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1405	7.91	1080	18.3	-151.8	0.31	27.0
FINAL	1410	7.86	1127	18.1	-141.7	0.32	11.2

Sample filtered: Yes___ No x
Well sealed upon completion? : Yes x No___

NOTES:
Composite Temp:
Clear & transparent; no odor.

Total Depth: 165.95'

Samplers Signature [signature] Date 9/4/18

CIL

Groundwater - Monitoring and Sampling Form

PPL

Date: 9/4/18
Purge Start Time: 1412
Purge Stop Time: 1417
Weather: 92°F; Sunny

Monitoring Point ID: UC-102B

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1412	6.35	1964	16.6	-41.9	0.40	29.9
FINAL	1417	6.44	1967	16.6	-61.9	0.34	9.9

Sample filtered: Yes___ No ✓
Well sealed upon completion? : Yes ✓ No___

NOTES:
Composite Temp:
Slight yellow hue; odorous

Total Depth: 37.90'

Date: 9/4/18
Purge Start Time: 1425
Purge Stop Time: -

Monitoring Point ID: EB-CI-GW-1

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1425	-	-	-	-	-	-
FINAL	-	-	-	-	-	-	-

Sample filtered: Yes___ No ✓
Well sealed upon completion? : Yes - No -

NOTES:
Composite Temp:
Equipment Blank

Samplers Signature Anthony Miranda Date 9/4/18

CIL

Groundwater - Monitoring and Sampling Form

PPL

Date: 9/4/18
Purge Start Time: 1428
Purge Stop Time: 1433
Weather: 92°F; Sunny

Monitoring Point ID: P-101B

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1428	6.95	741	23.1	-67.9	3.74	1.8
FINAL	1433	6.72	744	20.5	-70.6	0.60	1.6

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Clear; transparent; NO odor

Total Depth: 145.50'

Date: 9/4/18
Purge Start Time: 1437
Purge Stop Time: 1442

Monitoring Point ID: LC-101B

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1437	6.63	1470	21.3	-98.0	1.92	2.0
FINAL	1442	6.25	1520	19.5	-100.6	0.21	2.2

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Clear; transparent; NO odor

Total Depth: 73.20'

Samplers Signature Anthony Minnick Date 9/4/18

CIL

Groundwater - Monitoring and Sampling Form

PPL

Date: 9/5/18
Purge Start Time: 1139
Purge Stop Time: 1144
Weather: 91°F; Sunny

Monitoring Point ID: UC-108A

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1139	6.56	691	26.5	-93.0	1.14	13.14
FINAL	1144	6.64	1500	20.6	-106.3	0.25	5.56

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Slight yellow hue; odorous

Total Depth: 43.91'

Date: 9/5/18
Purge Start Time: 1146
Purge Stop Time: 1151

Monitoring Point ID: P-108B

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1146	6.75	1026	21.1	-36.2	4.92	16.4
FINAL	1151	6.68	669	19.5	45.9	3.44	7.5

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Clear & transparent; No odor

Total Depth: 179.75'

Samplers Signature [signature] Date 9/5/18

CIL

Groundwater - Monitoring and Sampling Form

PPL

Date: 9/5/18
Purge Start Time: 1153
Purge Stop Time: 1158
Weather: 91°F; Sunny

Monitoring Point ID: LC-115B

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1153	6.49	1735	19.8	-42.1	1.54	7.2
FINAL	1158	6.50	1756	19.0	-64.3	0.33	21.3

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Clear & transparent; NO odor
*DUP 115B

Total Depth: 138.50'

Date: 9/5/18
Purge Start Time: 1249
Purge Stop Time: 1254

Monitoring Point ID: LC-114A

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1249	7.08	1306	25.3	-60.8	1.37	6.4
FINAL	1254	7.26	1178	20.8	-134.7	0.70	7.3

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Clear & transparent; NO odor

Total Depth: 129.60'

Samplers Signature Anthony Minnick Date 9/5/18

CIL

Groundwater - Monitoring and Sampling Form

PPL

Date: 9/5/18
Purge Start Time: 1259
Purge Stop Time: 1304
Weather: 91°F; Sunny

Monitoring Point ID: P-106

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1259	7.23	1136	22.1	-58.8	4.48	48.4
FINAL	1304	6.88	658	23.2	-73.0	1.30	7.0

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Clear; transparent; No odor

Total Depth: 168.20'

Date: 9/5/18
Purge Start Time: 1318
Purge Stop Time: 1323

Monitoring Point ID: UC-106

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1318	6.78	1470	19.3	-101.7	0.51	8.7
FINAL	1323	6.80	1039	18.1	-111.2	0.30	9.7

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Very Slight yellow hue; Odorous

Total Depth: 45.30'

Samplers Signature Anthony Mirand. Date 9/5/18

CIL

Groundwater - Monitoring and Sampling Form

PPL

Date: 9/5/18
Purge Start Time: 1325
Purge Stop Time: -
Weather: 91°F; Sunny

Monitoring Point ID: EB-CI-GW-2

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1325	-	-	-	-	-	-
FINAL	-	-	-	-	-	-	-

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes - No -

NOTES:
Composite Temp:
Equipment Blank

Date: 9/5/18
Purge Start Time: 1349
Purge Stop Time: 1354

Monitoring Point ID: P-201

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1349	7.43	734	24.0	55.6	3.07	14.5
FINAL	1354	7.14	809	17.8	54.8	1.99	3.9

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Clear; transparent; NO odor

Total Depth: 160.90'

Samplers Signature Anthony Minnick Date 9/5/18

CIL

Groundwater - Monitoring and Sampling Form

PPL

Date: 9/5/18
Purge Start Time: 1401
Purge Stop Time: 1406
Weather: 91°F; Sunny

Monitoring Point ID: LC-105A

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1401	6.61	2374	19.2	-87.6	0.74	19.9
FINAL	1406	6.60	2474	17.6	-103.7	0.70	1.1

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Slight yellow hue; odorous

Total Depth: 69.00'

Date: 9/5/18
Purge Start Time: 1409
Purge Stop Time: 1414

Monitoring Point ID: P-105C

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1409	8.65	957	18.3	-253.7	1.53	12.8
FINAL	1414	8.92	963	18.0	-216.4	0.17	4.7

Sample filtered: Yes___ No X
Well sealed upon completion? : Yes X No___

NOTES:
Composite Temp:
Clear; transparent; no odor

Total Depth: 187.60'

Samplers Signature Anthony Minnick Date 9/5/18

CIL

Groundwater - Monitoring and Sampling Form

PPL

Date: 9/5/18
Purge Start Time: 1421
Purge Stop Time: 1426
Weather: 91°F; Sunny

Monitoring Point ID: P-202

Purgers/samplers:	
AJN	SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL	1421	7.79	1046	21.0	-15.6	3.53	8.2
FINAL	1426	7.04	1090	18.4	-98.9	0.28	4.8

Sample filtered: Yes___ No_X_
Well sealed upon completion? : Yes_X_ No___

NOTES:
Composite Temp:
Clear; transparent; NO odor

Total Depth: 159.90'

Date: / /
Purge Start Time:
Purge Stop Time:

Monitoring Point ID:

Purgers/samplers:	

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
INITIAL							
FINAL							

Sample filtered: Yes___ No___
Well sealed upon completion? : Yes___ No___

NOTES:
Composite Temp:

Samplers Signature Anthony Minnick Date 9/5/18

CIL

Surface water - Monitoring and Sampling Form

PPL

Date: 9/5/18
Sample Time: 845
Weather: 91°F; Sunny

S.W. Point ID: DE River Downstream (High Tide)
Samplers: AJN | SCV

SAMPLING

Method (Bailer, (Grab), ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS	845	6.96	323	27.5	214.1	8.72	11.1

Sample filtered: Yes x No___

NOTES:
Mostly Clear; No Odor

Date: 9/5/18
Sample Time: 905

S.W. Point ID: DE River Upstream (High Tide)
Samplers: AJN | SCV

SAMPLING

Method (Bailer, (Grab), ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS	905	7.09	256	27.7	197.2	8.09	10.1

Sample filtered: Yes x No___

NOTES:
mostly Clear; No odor

Samplers Signature Anthony Marino Date 9/5/18

CIL

Surface water - Monitoring and Sampling Form

PPL

Date: 9/5/18
Sample Time: 906
Weather: 91°F; Sunny

S.W. Point ID: SW-1
Samplers: AJN | SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS	906	-	-	-	-	-	-

Sample filtered: Yes - No -

NOTES:
Dry

Date: 9/5/18
Sample Time: 955

S.W. Point ID: SW-6
Samplers: AJN | SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS	955	-	-	-	-	-	-

Sample filtered: Yes - No -

NOTES:
Dry

Samplers Signature [signature] Date 9/5/18

CIL Surface water - Monitoring and Sampling Form PPL

Date: 9/5/18
Sample Time: 1035
Weather: 91°F; Sunny

S.W. Point ID: SW-5
Samplers: AJN | SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS	1035	7.60	271	29.5	189.2	10.49	15.6

Sample filtered: Yes x No___

NOTES:
mostly clear; No odor

Date: 9/5/18
Sample Time: 1055

S.W. Point ID: LP-8
Samplers: AJN | SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS	1055	7.18	522	27.5	197.2	2.25	10.9

Sample filtered: Yes x No___

NOTES:
Clear & transparent; No odor

Samplers Signature [signature] Date 9/5/18

CIL Surface water - Monitoring and Sampling Form PPL

Date: 9/5 /18
Sample Time: 1100
Weather: 91°F; Sunny

S.W. Point ID: EB-CI-SW
Samplers: AJN | SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS	1100	–	–	–	–	–	–

Sample filtered: Yes___ No x

NOTES:
Equipment Blank

Date: / /
Sample Time: _____

S.W. Point ID: _____
Samplers: | |

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS							

Sample filtered: Yes___ No___

NOTES:

Samplers Signature [signature] Date 9/5/18

CIL

Surface water - Monitoring and Sampling Form

PPL

Date: 9/5/18
Sample Time: 1450
Weather: 91°F; Sunny

S.W. Point ID: DE River Downstream Low Tide
Samplers: AJN | SCV

SAMPLING

Method (Bailer, (Grab), ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS	1450	7.19	258	28.5	20.8	7.60	92.2

Sample filtered: Yes X No ___

NOTES:

light brown hue; No odor

Date: 9/5/18
Sample Time: 1515

S.W. Point ID: DE River Upstream Low Tide.
Samplers: AJN | SCV

SAMPLING

Method (Bailer, (Grab), ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS	1515	7.23	255	29.8	84.2	7.73	78.2

Sample filtered: Yes X No ___

NOTES:

Slight yellow hue; No odor

Samplers Signature Anthony Minnick Date 9/5/18

CIL

Leachate - Sampling Form

PPL

Date: 9/4/2018
Sample Time: 740
Weather: 92°F; Sunny

Leachate Point ID: EB/NZ
Samplers: AJN | SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	740	-	-	-	-

Sample filtered: Yes___ No x
Composite Temp [C] -

NOTES:
Equipment Blank

Date: / /2018
Sample Time:

Leachate Point ID:
Samplers:

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS					

Sample filtered: Yes___ No___
Composite Temp [C]

NOTES:

Sampler's Signature [signature] Date 9/4/18

CIL

Leachate - Sampling Form

PPL

Date: 9/5/2018
Sample Time: 945
Weather: 91°F; Sunny

Leachate Point ID: CI-MPS (mixed)
Samplers: AJN | SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	945	7.56	8207	21.1	115

Sample filtered: Yes___ No x
Composite Temp [C] 20.8

NOTES:
Dark yellow/brown hue; Normal leachate odor

Date: 9/5/2018
Sample Time: 946

Leachate Point ID: TB/N2
Samplers: AJN | SCV

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	946	-	-	-	-

Sample filtered: Yes - No -
Composite Temp [C] -

NOTES:
Trip Blank

Sampler's Signature [signature] Date 9/5/18

52

Location CIL/PPL Date 9/17/18

Project / Client 10-2671.19 AJW

78°F; Overcast

EB/NL Sampled at SE offices at 860

On Site at CIL at 947

Flow readings upon arrival at 950

	gpm	total Kgal
#1	0	889868
#2	0	359467
#3	0	328764
#4	-	256901

* ISCO Start-up at 1008

VOC grab #1 Sampled at 1010
VOC grab #2 Sampled at 1157
VOC grab #3 Sampled at 1330
VOC grab #4 Sampled at 1450

* CIL Seep inspection conducted at 1300
* PPL Seep inspection conducted at 1400
Off Site at CIL at 1457

53

Location CIL/PPL Date 9/18/18

Project / Client 10-2671.19 AJW

80°F; Sunny MEL

On Site at CIL at 920

Flow readings upon arrival at 926

	gpm	total Kgal
#1	0	889868
#2	802	359728
#3	296	329001
#4	-	257161

CI-MPS Field Readings

pH : 7.26
SpC : 8799
Sedim : 45
grab temp : 24.9
comp temp : 21.5

CI-MPS Sampled at 940
* Cyanide collected as grab

Off Site at CIL at 1030

CIL

Leachate - Sampling Form

PPL

Date: 9/17/2018
Sample Time: 850
Weather: 78°F; Overcast

Leachate Point ID: FB/NZ
Samplers: ASN

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	850	-	-	-	-

Sample filtered: Yes___ No X
Composite Temp [C] -

NOTES:
Equipment Blank

Date: / /2018
Sample Time:

Leachate Point ID:
Samplers:

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS					

Sample filtered: Yes___ No___
Composite Temp [C]

NOTES:

Sampler's Signature Arthur Minick Date 9/18/18

CIL

Leachate - Sampling Form

PPL

Date: 9/18/2018
Sample Time: 940
Weather: 80°F; Sunny

Leachate Point ID: CI-MPS (unmixed)
Samplers: AJN | MEL

SAMPLING

Method (Bailer, Grab, (ISCO), Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	940	7.26	8799	24.9	45

Sample filtered: Yes___ No_x_
Composite Temp [C] 21.5

NOTES:
Brownish yellow hue; Normal leachate odor

Date: 9/18 /2018
Sample Time: 941

Leachate Point ID: TB/N2
Samplers: AJN | MEL

SAMPLING

Method (Bailer, (Grab), ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Grab Temp [C]	Redox (mV)
RESULTS	941	-	-	-	-

Sample filtered: Yes - No -
Composite Temp [C] -

NOTES:
Trip Blank

Sampler's Signature [signature] Date 9/18/18

CIL

Surface water - Monitoring and Sampling Form

PPL

Date: 9/18/18
Sample Time: 950
Weather: 80°F; Sunny.

S.W. Point ID: Drop Inlet 4
Samplers: AJN | MEL

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS	950	–	–	–	–	–	–

Sample filtered: Yes___ No x

NOTES:
Dry; No flow

Date: 9/18/18
Sample Time: 955

S.W. Point ID: Drop Inlet 5
Samplers: AJN | MEL

SAMPLING

Method (Bailer, Grab, ISCO, Masterflex, Submersible, etc.):

	Time	pH (SU)	SpC (uS/cm)	Temp [C]	Redox (mV)	D.O. (mg/l)	Turbidity (NTU)
RESULTS	955	–	–	–	–	–	–

Sample filtered: Yes___ No x

NOTES:
Dry; No flow

Samplers Signature [signature] Date 9/18/18

Brickhouse Environmental

ATTACHMENT 2

CERTIFIED LABORATORY REPORTS AND COMPLETED CHAIN OF CUSTODY DOCUMENTATION

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: July 17, 2018 11:41

Project: DSWA (CIL)

Account #: 20080
Group Number: 1961557
PO Number: 294375
Release Number: 10-2671-20
State of Sample Origin: DE

To view our laboratory's current scopes of accreditation please go to http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . Historical copies may be requested through your project manager.

Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
EB/N2 Water	07/02/2018 08:45	9686633

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 07/02/2018 15:46
Collection Date/Time: 07/02/2018 08:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9686633
ELLE Group #: 1961557
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
07061	Nickel	7440-02-0	N.D.	0.0031	0.0200	1
07072	Zinc	7440-66-6	N.D.	0.0030	0.0400	1
Wet Chemistry	**SW-846 9012B**		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)	57-12-5	N.D.	0.0050	0.010	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	2.6 J	1.7	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.8	0.010	0.010	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	N.D.	1.00	3.00	1
	The QC blank was not weighed to constant weight as method-mandated and is not reportable. The sample was reanalyzed outside the method required holding time with all QC compliant, yielding a TSS result of N.D. at a MDL of 3.0 mg/L. All results are reported from the first trial.					
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	6.45	0.01	0.01	1
	SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen	7664-41-7	N.D.	0.08	0.24	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D.	2.00	2.00	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

*=This limit was used in the evaluation of the final result

Sample Description: **EB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 07/02/2018 15:46
Collection Date/Time: 07/02/2018 08:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9686633
ELLE Group #: 1961557
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010C	1	181871063501	07/09/2018 11:02	Lisa J Cooke	1
07051	Chromium	SW-846 6010C	1	181871063501	07/09/2018 11:02	Lisa J Cooke	1
07053	Copper	SW-846 6010C	1	181871063501	07/09/2018 11:02	Lisa J Cooke	1
07055	Lead	SW-846 6010C	1	181871063501	07/09/2018 11:02	Lisa J Cooke	1
07061	Nickel	SW-846 6010C	1	181871063501	07/09/2018 11:02	Lisa J Cooke	1
07072	Zinc	SW-846 6010C	1	181871063501	07/09/2018 11:02	Lisa J Cooke	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	181871063501	07/08/2018 22:02	Annamaria Kuhns	1
08255	Total Cyanide (water)	SW-846 9012B	1	18191117101A	07/10/2018 20:34	Samuel J Weaver	1
14088	Phenols (water)	SW-846 9066	1	18191126101A	07/11/2018 12:17	Ashlynn M Cornelius	1
08256	Cyanide Water Distillation	SW-846 9012B	1	18191117101A	07/10/2018 16:15	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18186002102A	07/05/2018 23:00	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18186002102A	07/05/2018 23:00	Jeremy L Bolf	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18186145702A	07/05/2018 13:43	Leroy C Poole	1
12152	pH	SM 4500-H+ B-2011	1	18186002102A	07/05/2018 23:00	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18192006201A	07/11/2018 21:30	Michelle L Lalli	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18184141081A	07/03/2018 12:57	Leroy C Poole	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1961557
Reported: 07/17/2018 11:41

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: 181871063501	Sample number(s): 9686633		
Arsenic	N.D.	0.0160	0.100
Chromium	N.D.	0.0053	0.0300
Copper	N.D.	0.0062	0.0400
Lead	N.D.	0.0071	0.0300
Nickel	N.D.	0.0031	0.0200
Zinc	N.D.	0.0030	0.0400
Batch number: 18191117101A	Sample number(s): 9686633		
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18191126101A	Sample number(s): 9686633		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18192006201A	Sample number(s): 9686633		
Ammonia-Nitrogen	N.D.	0.08	0.24
	umhos/cm	umhos/cm	umhos/cm
Batch number: 18186002102A	Sample number(s): 9686633		
Specific Conductance	N.D.	1.7	5.0

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Batch number: 181871063501	Sample number(s): 9686633								
Arsenic	0.150	0.156			104		80-120		
Chromium	0.200	0.194			97		87-110		
Copper	0.250	0.258			103		90-115		
Lead	0.150	0.151			101		87-113		
Nickel	0.500	0.508			102		90-114		
Zinc	0.500	0.503			101		89-111		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 18191117101A	Sample number(s): 9686633								
Total Cyanide (water)	0.200	0.203			101		90-110		
Batch number: 18191126101A	Sample number(s): 9686633								

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1961557
Reported: 07/17/2018 11:41

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Phenols (water)	0.250	0.271			108		82-109		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18184141081A	Sample number(s): 9686633								
Biochemical Oxygen Demand-BOD	198	218.3			110		85-115		
Batch number: 18186145702A	Sample number(s): 9686633								
Total Suspended Solids	150	147.5			98		74-118		
Batch number: 18192006201A	Sample number(s): 9686633								
Ammonia-Nitrogen	5.00	5.08			102		77-133		
	Std. Units	**Std. Units**	**Std. Units**	**Std. Units**					
Batch number: 18186002102A	Sample number(s): 9686633								
pH	7.00	7.02			100		95-105		
	umhos/cm	**umhos/cm**	**umhos/cm**	**umhos/cm**					
Batch number: 18186002102A	Sample number(s): 9686633								
Specific Conductance	147	146.1			99		80-121		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

A. 20080 G. 1961557 S. 9684433

Brickhouse Environmental
Environmental Consultants & Engineers
515 S. Franklin St. West Chester, PA 19382 610.692.5770 Fax: 610.692.8650

For CIL Mixed Monthly Leachates

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #: | of
Lab Quote #:

Project Name: DSWA (CIL)
Project Location:
Cherry Island Landfill
Project Number: 10-2671-20
Project Manager: Doug Schott
PO No: 294375
Bill To: Above

TAT: [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X]-Y dschott@brickhouse-environmental.com
anicolardi@brickhouse-environmental.com

Container Type	P	P	P	P	P	P	gl	gl
Container Size	250 mL	500 ml	1 L	250 mL	250 mL	1000 mL	250 mL	500 mL
Preservative	NaOH/asc	None	None	HNO3	None	H2SO4	H2SO4	H2SO4

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Sample or Field Results Below.

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Cyanide	BOD	TSS	As,Cr,Cu,Pb,Ni,Zn	pH, Spec. Cond.	Ammonia-Nitrogen	Phenols	Ammonia-Nitrogen							Sample/COC Comments/PID Response/Etc.
~~CLMPS Composite~~			~~C~~	~~OL~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~								
EB/N2	7/2/18	1345	G	OL	1	1	1	1	1		1	1							
~~TB/N2~~			~~G~~	~~OL~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~		~~1~~	~~1~~							

Receipt Information (Receiving Lab)
Cooler Temp: 1.0 Cooler #: 2
Therm. ID DT42-01

	Y	N
Custody Seals Present?		
(if present) Seals Intact?		
Received on Ice?		
COC/Labels Agree?		
Cont. in Good Cond.?		
Correct Containers?		
Correct Sample Volumes?		
Correct Preservation?		

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other _____
Tracking #: _____

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ] [ ]

State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE [ ]

Reportable to PADEP? Yes [ ]
PWSID #
Sample Disposal: Lab [X] Special [ ]
EDDS: Format Type

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	7/2/18	1420	2	[signature]	7.2.18	1420
3	[signature]	7.2.18	1541	4			
5				6			
7				8			
9				10	[signature]	7.2.18	1546

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 220696

Group Number(s): 1961857

Client: Brickhouse Environmental

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	07/02/2018 15:46
Number of Packages:	1	Number of Projects:	2
State/Province of Origin:	PA		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Cory Jeremiah (10469) at 17:24 on 07/02/2018

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
2	DT42-01	1.0	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T 717-656-2300
F 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: July 12, 2018 08:31

Project: DSWA (CIL)

Account #: 20080
Group Number: 1962029
PO Number: 294375
Release Number: 10-2671-20
State of Sample Origin: DE

To view our laboratory's current scopes of accreditation please go to http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . Historical copies may be requested through your project manager.

Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289



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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
CI-MPS Composite Leachate	07/03/2018 10:00	9688438
TB/N2 Water	07/03/2018 10:01	9688439

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **CI-MPS Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 07/03/2018 16:30
Collection Date/Time: 07/03/2018 10:00

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9688438
ELLE Group #: 1962029
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0328 J	0.0160	0.100	1
07051	Chromium	7440-47-3	0.0530	0.0053	0.0300	1
07053	Copper	7440-50-8	0.0285 J	0.0062	0.0400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
07061	Nickel	7440-02-0	0.0337	0.0031	0.0200	1
07072	Zinc	7440-66-6	0.0066 J	0.0030	0.0400	1
Wet Chemistry	**SW-846 9012B**		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)	57-12-5	0.042	0.0050	0.010	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.25	0.50	25
	Reporting limits were raised due to interference from the sample matrix.					
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	8,850	8.5	25.0	5
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.5	0.010	0.010	1
	EPA 350.2		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	375.29	1.25	3.75	5
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	7.31	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	7.78	0.01	0.01	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	29.1	2.00	2.00	1

Sample Comments

Preservation requirements were not met. The pH preservation of all non-volatile containers was checked upon receipt at the laboratory. The container for the following analysis was not within specification and was adjusted accordingly by the laboratory: Ammonia Nitrogen, Phenols (water)

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 07/03/2018 16:30
Collection Date/Time: 07/03/2018 10:00

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9688438
ELLE Group #: 1962029
Matrix: Leachate

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010C	1	181891063501	07/10/2018 22:10	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	181891063501	07/10/2018 22:10	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	181891063501	07/10/2018 22:10	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	181891063501	07/10/2018 22:10	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	181891063501	07/10/2018 22:10	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	181891063501	07/10/2018 22:10	Elaine F Stoltzfus	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	181891063501	07/10/2018 05:25	James L Mertz	1
08255	Total Cyanide (water)	SW-846 9012B	1	18191117101A	07/10/2018 20:49	Samuel J Weaver	1
14088	Phenols (water)	SW-846 9066	1	18191126101A	07/11/2018 12:20	Ashlynn M Cornelius	25
08256	Cyanide Water Distillation	SW-846 9012B	1	18191117101A	07/10/2018 16:15	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18191002101A	07/10/2018 22:34	Jeremy L Bolf	5
12151	Temperature of pH	EPA 170.1	1	18191002105A	07/11/2018 04:31	Jeremy L Bolf	1
00221	Ammonia Nitrogen	EPA 350.2	1	18186022101A	07/05/2018 13:00	Luz M Groff	5
10457	Total Suspended Solids	SM 2540 D-2011	1	18186145701A	07/05/2018 13:10	Leroy C Poole	1
12152	pH	SM 4500-H+ B-2011	1	18191002105A	07/11/2018 04:31	Jeremy L Bolf	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18184141083A	07/03/2018 23:04	Joseph Knisely	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 07/03/2018 16:30
Collection Date/Time: 07/03/2018 10:01

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9688439
ELLE Group #: 1962029
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
07061	Nickel	7440-02-0	N.D.	0.0031	0.0200	1
07072	Zinc	7440-66-6	N.D.	0.0030	0.0400	1
Wet Chemistry	**SW-846 9012B**		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)	57-12-5	N.D.	0.0050	0.010	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	N.D.	1.7	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.8	0.010	0.010	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	N.D.	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	6.37	0.01	0.01	1
	SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen	7664-41-7	N.D.	0.08	0.24	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D.	2.00	2.00	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010C	1	181891063501	07/10/2018 22:13	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	181891063501	07/10/2018 22:13	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	181891063501	07/10/2018 22:13	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	181891063501	07/10/2018 22:13	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 07/03/2018 16:30
Collection Date/Time: 07/03/2018 10:01

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9688439
ELLE Group #: 1962029
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07061	Nickel	SW-846 6010C	1	181891063501	07/10/2018 22:13	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	181891063501	07/10/2018 22:13	Elaine F Stoltzfus	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	181891063501	07/10/2018 05:25	James L Mertz	1
08255	Total Cyanide (water)	SW-846 9012B	1	18191117101B	07/10/2018 20:50	Samuel J Weaver	1
14088	Phenols (water)	SW-846 9066	1	18191126101A	07/11/2018 12:23	Ashlynn M Cornelius	1
08256	Cyanide Water Distillation	SW-846 9012B	1	18191117101B	07/10/2018 16:15	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18191002101A	07/10/2018 22:00	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18191002101A	07/10/2018 22:00	Jeremy L Bolf	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18186145701A	07/05/2018 13:10	Leroy C Poole	1
12152	pH	SM 4500-H+ B-2011	1	18191002101A	07/10/2018 22:00	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18192006201A	07/11/2018 21:52	Michelle L Lalli	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18184141083A	07/03/2018 23:04	Joseph Knisely	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1962029
Reported: 07/12/2018 08:31

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: 181891063501	Sample number(s): 9688438-9688439		
Arsenic	N.D.	0.0160	0.100
Chromium	N.D.	0.0053	0.0300
Copper	N.D.	0.0062	0.0400
Lead	N.D.	0.0071	0.0300
Nickel	N.D.	0.0031	0.0200
Zinc	N.D.	0.0030	0.0400
Batch number: 18191117101A	Sample number(s): 9688438		
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18191117101B	Sample number(s): 9688439		
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18191126101A	Sample number(s): 9688438-9688439		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18186022101A	Sample number(s): 9688438		
Ammonia Nitrogen	N.D.	0.25	0.75
Batch number: 18186145701A	Sample number(s): 9688438-9688439		
Total Suspended Solids	N.D.	1.00	3.00
Batch number: 18192006201A	Sample number(s): 9688439		
Ammonia-Nitrogen	N.D.	0.08	0.24
	umhos/cm	umhos/cm	umhos/cm
Batch number: 18191002101A	Sample number(s): 9688438-9688439		
Specific Conductance	N.D.	1.7	5.0

LCS/LCSD

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 181891063501	Sample number(s): 9688438-9688439								
Arsenic	0.150	0.149			99		80-120		
Chromium	0.200	0.206			103		87-110		
Copper	0.250	0.265			106		90-115		
Lead	0.150	0.157			105		87-113		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1962029
Reported: 07/12/2018 08:31

LCS/LCSD (continued)

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Nickel	0.500	0.514			103		90-114		
Zinc	0.500	0.507			101		89-111		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18191117101A	Sample number(s): 9688438								
Total Cyanide (water)	0.200	0.203			101		90-110		
Batch number: 18191117101B	Sample number(s): 9688439								
Total Cyanide (water)	0.200	0.203			101		90-110		
Batch number: 18191126101A	Sample number(s): 9688438-9688439								
Phenols (water)	0.250	0.271			108		82-109		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18184141083A	Sample number(s): 9688438-9688439								
Biochemical Oxygen Demand-BOD	198	193.1			98		85-115		
Batch number: 18186022101A	Sample number(s): 9688438								
Ammonia Nitrogen	10	9.45			95		93-100		
Batch number: 18186145701A	Sample number(s): 9688438-9688439								
Total Suspended Solids	150	149.9	150	152.1	100	101	74-118	1	5
Batch number: 18192006201A	Sample number(s): 9688439								
Ammonia-Nitrogen	5.00	5.08			102		77-133		
	Std. Units	**Std. Units**	**Std. Units**	**Std. Units**					
Batch number: 18191002101A	Sample number(s): 9688438-9688439								
pH	7.00	7.02			100		95-105		
Batch number: 18191002105A	Sample number(s): 9688438								
pH	7.00	7.01			100		95-105		
	umhos/cm	**umhos/cm**	**umhos/cm**	**umhos/cm**					
Batch number: 18191002101A	Sample number(s): 9688438-9688439								
Specific Conductance	147	145.9			99		80-121		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1962029
Reported: 07/12/2018 08:31

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

20080 | 1962029 | 9688438-39

Brickhouse Environmental
Environmental Consultants & Engineers
515 S. Franklin St. West Chester, PA 19382 610.692.5770 Fax 610.692.8650

For CIL Mixed Monthly Leachates

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

COC #:

Lab Quote #:

of

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

Project Name: DSWA (CIL)
Project Location:
Cherry Island Landfill
Project Number: 10-2671-20
Project Manager: Doug Schott
PO No: 294375
Bill To: Above

TAT
[X] Normal-Standard TAT
[ ] Rush-TAT
Date Required: Approved By:
Email? [X] Y dschott@brickhouse-environmental.com
anicolardi@brickhouse-environmental.com

Container Type	P	P	P	P	P	P	gl	gl						
Container Size	250 mL	500 ml	1 L	250 mL	250 mL	1000 mL	250 mL	500 mL						
Preservative	NaOH/asc	None	None	HNO3	None	H2SO4	H2SO4	H2SO4						

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Cyanide	BOD	TSS	As,Cr,Cu,Pb,Ni,Zn	pH, Spec. Cond	Ammonia-Nitrogen	Phenols	Ammonia-Nitrogen						
					Enter Number of Containers Per Sample or Field Results Below.													
CI-MPS Composite	7/3/18	1000	C	OL	1	1	1	1	1	1	1							
~~EB/N2~~			G	OL	1	1	1	1	1		1	1						
TB/N2	7/3/18	1000	G	OL	1	1	1	1	1		1	1						

Receipt Information (Receiving Lab)

Cooler Temp: 3.2°C Cooler #: 1
Therm. ID DT92-01

	Y	N
Custody Seals Present?		X
(if present) Seals Intact?		
Received on Ice?	X	
COC/Labels Agree?	X	
Cont. in Good Cond.?	X	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other _____
Tracking #: _____

Sample/COC Comments/PID Response/Etc.

Project Comments:

Logged By (initials/date/time)

Reviewed By (initials/date/time)

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE

Reportable to PADEP? Yes [ ]

Sample Disposal: Lab [X] Special [ ]

PWSID # _____

EDDS: Format Type: _____

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	7/3/18	1500	2	7.3.18	1500
3	7.3.18	1630	4		
5			6		
7			8		
9			10	7-3-18	1630

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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Sample Administration Receipt Documentation Log

Doc Log ID: 220799

Group Number(s): 1962029

Client: Brickhouse Environmental

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	07/03/2018 16:30
Number of Packages:	1	Number of Projects:	3
State/Province of Origin:	PA		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	7
Samples Intact:	Yes	Trip Blank Type:	See COC
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Cory Jeremiah (10469) at 17:20 on 07/03/2018

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	3.2	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
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www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: July 25, 2018 14:11

Project: DSWA (CIL)

Account #: 20080
Group Number: 1966014
PO Number: 294376
Release Number: 10-2671-20
State of Sample Origin: DE

To view our laboratory's current scopes of accreditation please go to http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . Historical copies may be requested through your project manager.

Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289



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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
EB/N2 Grab Water	07/16/2018 08:30	9704715

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: EB/N2 Grab Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 07/16/2018 16:11
Collection Date/Time: 07/16/2018 08:30

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9704715
ELLE Group #: 1966014
Matrix: Water

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic		7440-38-2	N.D.	0.0160	0.100	1
01750	Calcium		7440-70-2	0.350 J	0.0330	1.00	1
07051	Chromium		7440-47-3	N.D.	0.0053	0.0300	1
07053	Copper		7440-50-8	0.0078 J	0.0062	0.0400	1
01754	Iron		7439-89-6	N.D.	0.0400	0.400	1
07055	Lead		7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium		7439-95-4	0.128 J	0.0190	0.200	1
07058	Manganese		7439-96-5	0.0038 J	0.0011	0.0400	1
07061	Nickel		7440-02-0	N.D.	0.0031	0.0200	1
01762	Potassium		7440-09-7	N.D.	0.203	1.00	1
01767	Sodium		7440-23-5	0.677 J	0.326	2.00	1
07072	Zinc		7440-66-6	N.D.	0.0030	0.0400	1
Wet Chemistry		**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride		16887-00-6	0.34 J	0.20	0.40	1
00368	Nitrate Nitrogen		14797-55-8	0.079 J	0.050	0.10	1
00228	Sulfate		14808-79-8	0.35 J	0.30	1.0	1
		EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen		n.a.	N.D.	0.50	1.00	1
		SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen		n.a.	N.D.	0.50	1.00	1
		SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon		n.a.	N.D.	0.50	1.0	1
		SW-846 9012B		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)		57-12-5	N.D.	0.0050	0.010	1
		SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)		n.a.	N.D.	0.010	0.020	1
		EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	3.5 J	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.4	0.010	0.010	1
		EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand		n.a.	N.D.	12.8	50.0	1
		SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Grab Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 07/16/2018 16:11
Collection Date/Time: 07/16/2018 08:30

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9704715
ELLE Group #: 1966014
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2320 B-2011**		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	1.8 J	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	N.D.	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	N.D.	2.00	6.00	1
	Reporting limits were raised due to limited sample volume.					
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	6.48	0.01	0.01	1
	SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen	7664-41-7	N.D.	0.08	0.24	1
	SM 4500-S2 F-2011		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide	18496-25-8	N.D.	0.70	2.0	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)	7631-86-9	0.76	0.10	0.40	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D. W	2.00	2.00	1
	The dissolved oxygen uptake for the unseeded blank is 0.3 mg/L.					

Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1
01750	Calcium	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1
07051	Chromium	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1
07053	Copper	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1
01754	Iron	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1
07055	Lead	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1
01757	Magnesium	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1
07058	Manganese	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1
07061	Nickel	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1
01762	Potassium	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1
01767	Sodium	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB/N2 Grab Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 07/16/2018 16:11
Collection Date/Time: 07/16/2018 08:30

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9704715
ELLE Group #: 1966014
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07072	Zinc	SW-846 6010C	1	181981063503	07/20/2018 04:25	Jonathan J Allen	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	181981063503	07/19/2018 15:20	JoElla L Rice	1
00224	Chloride	EPA 300.0	1	18198249117B	07/17/2018 21:54	Zachary W Enck	1
00368	Nitrate Nitrogen	EPA 300.0	1	18198249117B	07/17/2018 21:54	Zachary W Enck	1
00228	Sulfate	EPA 300.0	1	18198249117B	07/17/2018 21:54	Zachary W Enck	1
00217	Kjeldahl Nitrogen	EPA 351.2	1	18199108101A	07/23/2018 11:48	Joseph E McKenzie	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18199108101A	07/23/2018 11:48	Joseph E McKenzie	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18198667607A	07/18/2018 11:31	Drew M Gerhart	1
08255	Total Cyanide (water)	SW-846 9012B	1	18200117101B	07/20/2018 20:53	Gregory Baldree	1
14088	Phenols (water)	SW-846 9066	1	18204126101A	07/23/2018 15:21	Ashlynn M Cornelius	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18199108101A	07/18/2018 17:30	Barbara A Washington	1
08256	Cyanide Water Distillation	SW-846 9012B	1	18200117101B	07/19/2018 16:50	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18199002102A	07/18/2018 19:35	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18199002102A	07/18/2018 19:35	Jeremy L Bolf	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18200400101A	07/19/2018 06:38	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18199002102A	07/18/2018 19:35	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18199002102A	07/18/2018 19:35	Jeremy L Bolf	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18201021202A	07/20/2018 13:54	Amy L Hankins	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18198145702A	07/17/2018 15:40	Angelica Cintron	1
12152	pH	SM 4500-H+ B-2011	1	18199002102A	07/18/2018 19:35	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18206005201A	07/25/2018 10:23	Michelle L Lalli	1
01333	Sulfide	SM 4500-S2 F-2011	1	18199133301A	07/18/2018 10:00	Kevin Litwa	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18199055901A	07/18/2018 08:20	Kevin Litwa	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18198141081A	07/17/2018 12:52	Leroy C Poole	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1966014
Reported: 07/25/2018 14:11

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: 181981063503	Sample number(s): 9704715		
Arsenic	N.D.	0.0160	0.100
Calcium	N.D.	0.0330	1.00
Chromium	N.D.	0.0053	0.0300
Copper	N.D.	0.0062	0.0400
Iron	N.D.	0.0400	0.400
Lead	N.D.	0.0071	0.0300
Magnesium	0.0248 J	0.0190	0.200
Manganese	N.D.	0.0011	0.0400
Nickel	N.D.	0.0031	0.0200
Potassium	N.D.	0.203	1.00
Sodium	0.425 J	0.326	2.00
Zinc	N.D.	0.0030	0.0400
Batch number: 18198249117B	Sample number(s): 9704715		
Chloride	N.D.	0.20	0.40
Nitrate Nitrogen	N.D.	0.050	0.10
Sulfate	N.D.	0.30	1.0
Batch number: 18198667607A	Sample number(s): 9704715		
Total Organic Carbon	N.D.	0.50	1.0
Batch number: 18199108101A	Sample number(s): 9704715		
Kjeldahl Nitrogen	N.D.	0.50	1.00
Batch number: 18200117101B	Sample number(s): 9704715		
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18204126101A	Sample number(s): 9704715		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18198145702A	Sample number(s): 9704715		
Total Suspended Solids	N.D.	1.00	3.00
Batch number: 18199055901A	Sample number(s): 9704715		
Silica (as SiO2)	N.D.	0.10	0.40
Batch number: 18199133301A	Sample number(s): 9704715		
Sulfide	N.D.	0.70	2.0
Batch number: 18200400101A	Sample number(s): 9704715		
Chemical Oxygen Demand	N.D.	12.8	50.0
Batch number: 18201021202A	Sample number(s): 9704715		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1966014
Reported: 07/25/2018 14:11

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Total Dissolved Solids	N.D.	20.0	60.0
Batch number: 18206005201A	Sample number(s): 9704715		
Ammonia-Nitrogen	N.D.	0.08	0.24
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3
Batch number: 18199002102A	Sample number(s): 9704715		
Total Alkalinity to pH 4.5	N.D.	1.7	5.0
	umhos/cm	umhos/cm	umhos/cm
Specific Conductance	N.D.	1.7	5.0

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Batch number: 181981063503	Sample number(s): 9704715								
Arsenic	0.150	0.137			91		80-120		
Calcium	4.00	3.85			96		88-112		
Chromium	0.200	0.182			91		87-110		
Copper	0.250	0.236			95		90-115		
Iron	1.00	0.958			96		80-114		
Lead	0.150	0.136			91		87-113		
Magnesium	2.00	1.92			96		88-114		
Manganese	0.500	0.448			90		90-112		
Nickel	0.500	0.451			90		90-114		
Potassium	10	9.17			92		88-112		
Sodium	10	8.99			90		87-112		
Zinc	0.500	0.446			89		89-111		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 18198249117B	Sample number(s): 9704715								
Chloride	3.00	3.01			100		90-110		
Nitrate Nitrogen	0.750	0.756			101		90-110		
Sulfate	7.50	7.59			101		90-110		
Batch number: 18198667607A	Sample number(s): 9704715								
Total Organic Carbon	25	25.29			101		91-113		
Batch number: 18199108101A	Sample number(s): 9704715								
Kjeldahl Nitrogen	5.00	4.59			92		90-110		
Batch number: 18200117101B	Sample number(s): 9704715								

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1966014
Reported: 07/25/2018 14:11

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Total Cyanide (water)	0.200	0.193			96		90-110		
Batch number: 18204126101A	Sample number(s): 9704715								
Phenols (water)	0.250	0.248			99		82-109		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18198141081A	Sample number(s): 9704715								
Biochemical Oxygen Demand-BOD	198	211.3			107		85-115		
Batch number: 18198145702A	Sample number(s): 9704715								
Total Suspended Solids	150	140.2			93		74-118		
Batch number: 18199055901A	Sample number(s): 9704715								
Silica (as SiO2)	2.50	2.57			103		95-110		
Batch number: 18199133301A	Sample number(s): 9704715								
Sulfide	20	17.77	20	17.38	89	87	80-120	2	4
Batch number: 18200400101A	Sample number(s): 9704715								
Chemical Oxygen Demand	500	507.7			102		94-110		
Batch number: 18201021202A	Sample number(s): 9704715								
Total Dissolved Solids	200	169			85		62-127		
Batch number: 18206005201A	Sample number(s): 9704715								
Ammonia-Nitrogen	5.00	5.21			104		77-133		
	mg/l as CaCO3	**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**					
Batch number: 18199002102A	Sample number(s): 9704715								
Total Alkalinity to pH 4.5	188	164.64			88		77-109		
	Std. Units	**Std. Units**	**Std. Units**	**Std. Units**					
Batch number: 18199002102A	Sample number(s): 9704715								
pH	7.00	7.02			100		95-105		
	umhos/cm	**umhos/cm**	**umhos/cm**	**umhos/cm**					
Batch number: 18199002102A	Sample number(s): 9704715								
Specific Conductance	147	150.1			102		80-121		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1966014
Reported: 07/25/2018 14:11

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

A. 20080 G. 1960014 S. 9704715

Brickhouse Environmental
Environmental Consultants & Engineers
515 S. Franklin St West Chester, PA 19382 610.692.5770 Fax 610.692.8650

For CIL Unmixed Monthly Leachates

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #: | of

Lab Quote #:

Project Name: DSWA (CIL)
Project Location: Cherry Island Landfill
Project Number: 10-2671-20
Project Manager: Doug Schott
PO No: 294376
Bill To: Above
TAT [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X]-Y dschott@brickhouse-environmental.com
anicolardi@brickhouse-environmental.com

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Container Type	Container Size	Preservative	BOD, TDS, Silica	Ammonia-Nitrogen	As, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Na, Zn	pH, Spec. Cond, Alkalinity, Phen-Alk	TOC	Cyanide	Phenols	Ammonia-Nitrogen	Chloride, Nitrate, Sulfate	COD, TKN, TDN	Sulfide	TSS		
					P	gl	P	P	AV	P	gl	P	P	P	gl	P				
					500 mL	500 ml	250 mL	250 mL	40 mL	250 ml	250 ml	1 L	50 ml	250 ml	500 ml	1L				
					None	H2SO4	HNO3	None	H3PO4	NaOH/asc	H2SO4	H2SO4	None	H2SO4	NaOH/asc	None				
					ANALYSES/METHOD REQUESTED																
					Enter Number of Containers Per Sample or Field Results Below.																
CI-MPS Composite			C	OL	2	1	1	1	2	1	1	1	1	1	1	1				
EB/N2	7/16/18	830	G	OL	2	1	1	1	2	1	1		1	1	1	1				
TB/N2			G	OL	2	1	1	1	2	1	1		1	1	1	1				

Receipt Information (Receiving Lab)
Cooler Temp: 1.4 Cooler #: 1
Therm. ID DT42-01

	Y	N
Custody Seals Present?		X
(if present) Seals Intact?		
Received on Ice?	X	
COC/Labels Agree?	X	
Cont. In Good Cond.?	X	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformances samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other ____
Tracking #: ____

Sample/COC Comments/PID Response/Etc.

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	7/16/18	1500	2	7-16-18	1500
3	7-16-18	16:11	4		
5			6		
7			8		
9			10	7-16-18	1611

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE
Special Processing: [ ] USACE [ ] Navy
State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE
Reportable to PADEP? Yes [ ]
Sample Disposal: [X] Lab [ ] Special
PWSID #
EDDS: Format Type

* G=Grab; C=Composite **Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 2/11

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Sample Administration Receipt Documentation Log

Doc Log ID: 221666

Group Number(s): 1966014

Client: Brickhouse Environmental

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	07/16/2018 16:11
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	PA		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Cory Jeremiah (10469) at 16:56 on 07/16/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	1.4	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: August 01, 2018 16:01

Project: DSWA (CIL)

Account #: 20080
Group Number: 1966526
PO Number: 294376
Release Number: 10-2671-20
State of Sample Origin: DE

Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
CI-MPS Composite Leachate	07/17/2018 09:35	9707571
TB/N2 Water	07/17/2018 09:36	9707572

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **CI-MPS Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 07/17/2018 17:19
Collection Date/Time: 07/17/2018 09:35

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9707571
ELLE Group #: 1966526
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0394 J	0.0160	0.100	1
01750	Calcium	7440-70-2	140	0.0330	1.00	1
07051	Chromium	7440-47-3	0.0540	0.0053	0.0300	1
07053	Copper	7440-50-8	0.0078 J	0.0062	0.0400	1
01754	Iron	7439-89-6	1.56	0.0400	0.400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium	7439-95-4	224	0.0190	0.200	1
07058	Manganese	7439-96-5	1.18	0.0011	0.0400	1
07061	Nickel	7440-02-0	0.0402	0.0031	0.0200	1
01762	Potassium	7440-09-7	203	0.203	1.00	1
01767	Sodium	7440-23-5	712	1.63	10.0	5
07072	Zinc	7440-66-6	0.0087 J	0.0030	0.0400	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	806	40.0	80.0	200
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
00228	Sulfate	14808-79-8	64.3	1.5	5.0	5
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	363.63	25.00	50.00	50
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	N.D.	25.00	50.00	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	209	5.0	10.0	10
	SW-846 9012B		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)	57-12-5	0.036	0.0050	0.010	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.25	0.50	25
	Reporting limits were raised due to interference from the sample matrix.					
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	8,970	8.5	25.0	5
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.5	0.010	0.010	1
	EPA 350.2		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	371.05	1.25	3.75	5

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 07/17/2018 17:19
Collection Date/Time: 07/17/2018 09:35

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9707571
ELLE Group #: 1966526
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 410.4**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	730	32.0	125	2.5
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	3,050	8.5	25.0	5
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	8.5	25.0	5
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	3,570	160	480	1
	The sample was originally analyzed within the holding time for total dissolved solids with a result of 380 mg/l. Due to the disagreement with the chloride results, the sample was reanalyzed in duplicate outside of the holding time.					
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	4.63	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	7.82	0.01	0.01	1
	SM 4500-S2 F-2011		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide	18496-25-8	N.D.	0.70	2.0	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)	7631-86-9	49.7	2.5	10.0	25
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	36.9 W	2.00	2.00	1
	The dissolved oxygen uptake for the unseeded blank is 0.28 mg/L.					

Sample Comments

Preservation requirements were not met. The pH preservation of all non-volatile containers was checked upon receipt at the laboratory. The container for the following analysis was not within specification and was adjusted accordingly by the laboratory: Kjeldahl Nitrogen, Ammonia Nitrogen, Total Organic Carbon, Chemical Oxygen Demand, Phenols (water)

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010C	1	182011063501	07/24/2018 11:17	Eric L Eby	1
01750	Calcium	SW-846 6010C	1	182011063501	07/24/2018 11:17	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	182011063501	07/24/2018 11:17	Eric L Eby	1
07053	Copper	SW-846 6010C	1	182011063501	07/24/2018 11:17	Eric L Eby	1
01754	Iron	SW-846 6010C	1	182011063501	07/24/2018 11:17	Eric L Eby	1

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 07/17/2018 17:19
Collection Date/Time: 07/17/2018 09:35

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9707571
ELLE Group #: 1966526
Matrix: Leachate

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010C	1	182011063501	07/24/2018 19:46	Cindy M Gehman	1
01757	Magnesium	SW-846 6010C	1	182011063501	07/24/2018 11:17	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	182011063501	07/24/2018 11:17	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	182011063501	07/24/2018 11:17	Eric L Eby	1
01762	Potassium	SW-846 6010C	1	182011063501	07/24/2018 11:17	Eric L Eby	1
01767	Sodium	SW-846 6010C	1	182011063501	07/24/2018 19:48	Cindy M Gehman	5
07072	Zinc	SW-846 6010C	1	182011063501	07/24/2018 11:17	Eric L Eby	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182011063501	07/23/2018 22:20	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	3	18199249109A	07/23/2018 13:44	Zachary W Enck	200
00368	Nitrate Nitrogen	EPA 300.0	1	18199249109A	07/19/2018 00:59	Zachary W Enck	5
00228	Sulfate	EPA 300.0	1	18199249109A	07/19/2018 00:59	Zachary W Enck	5
00217	Kjeldahl Nitrogen	EPA 351.2	1	18199108101A	07/23/2018 12:02	Joseph E McKenzie	50
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18199108101A	07/23/2018 12:02	Joseph E McKenzie	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18201667602B	07/21/2018 00:36	Drew M Gerhart	10
08255	Total Cyanide (water)	SW-846 9012B	1	18201117101A	07/24/2018 17:46	Gregory Baldree	1
14088	Phenols (water)	SW-846 9066	1	18206126101A	07/25/2018 12:51	Ashlynn M Cornelius	25
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18199108101A	07/18/2018 17:30	Barbara A Washington	1
08256	Cyanide Water Distillation	SW-846 9012B	1	18201117101A	07/20/2018 17:45	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18204005102A	07/23/2018 21:28	Jeremy L Bolf	5
12151	Temperature of pH	EPA 170.1	2	18204006102A	07/24/2018 01:17	Jeremy L Bolf	1
00221	Ammonia Nitrogen	EPA 350.2	1	18199022101A	07/18/2018 13:00	Luz M Groff	5
04001	Chemical Oxygen Demand	EPA 410.4	1	18200400101A	07/19/2018 06:38	Susan A Engle	2.5
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18204005102A	07/23/2018 21:28	Jeremy L Bolf	5
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18204005102A	07/23/2018 21:28	Jeremy L Bolf	5
00212	Total Dissolved Solids	SM 2540 C-2011	2	18206921201B	07/25/2018 16:56	Angelica Cintron	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18200145702A	07/19/2018 14:09	Angelica Cintron	1
12152	pH	SM 4500-H+ B-2011	2	18204006102A	07/24/2018 01:17	Jeremy L Bolf	1
01333	Sulfide	SM 4500-S2 F-2011	1	18199133301A	07/18/2018 10:00	Kevin Litwa	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	2	18211055902A	07/30/2018 09:45	Susan E Hibner	25
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18198141083A	07/17/2018 23:02	Joseph Knisely	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 07/17/2018 17:19
Collection Date/Time: 07/17/2018 09:36

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9707572
ELLE Group #: 1966526
Matrix: Water

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic		7440-38-2	N.D.	0.0160	0.100	1
01750	Calcium		7440-70-2	N.D.	0.0330	1.00	1
07051	Chromium		7440-47-3	N.D.	0.0053	0.0300	1
07053	Copper		7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron		7439-89-6	N.D.	0.0400	0.400	1
07055	Lead		7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium		7439-95-4	N.D.	0.0190	0.200	1
07058	Manganese		7439-96-5	N.D.	0.0011	0.0400	1
07061	Nickel		7440-02-0	N.D.	0.0031	0.0200	1
01762	Potassium		7440-09-7	N.D.	0.203	1.00	1
01767	Sodium		7440-23-5	N.D.	0.326	2.00	1
07072	Zinc		7440-66-6	N.D.	0.0030	0.0400	1
Wet Chemistry		**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride		16887-00-6	N.D.	0.20	0.40	1
00368	Nitrate Nitrogen		14797-55-8	N.D.	0.050	0.10	1
00228	Sulfate		14808-79-8	N.D.	0.30	1.0	1
		EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen		n.a.	N.D.	0.50	1.00	1
		SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen		n.a.	N.D.	0.50	1.00	1
		SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon		n.a.	N.D.	0.50	1.0	1
		SW-846 9012B		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)		57-12-5	N.D.	0.0050	0.010	1
		SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)		n.a.	N.D.	0.010	0.020	1
		EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	N.D.	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.5	0.010	0.010	1
		EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand		n.a.	N.D.	12.8	50.0	1
		SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 07/17/2018 17:19
Collection Date/Time: 07/17/2018 09:36

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9707572
ELLE Group #: 1966526
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2320 B-2011**		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	N.D.	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	N.D.	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	N.D.	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	5.94	0.01	0.01	1
	SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen	7664-41-7	N.D.	0.08	0.24	1
	SM 4500-S2 F-2011		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide	18496-25-8	N.D.	0.70	2.0	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)	7631-86-9	0.18 J	0.10	0.40	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D. W	2.00	2.00	1
	The dissolved oxygen uptake for the unseeded blank is 0.28 mg/L.					

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010C	1	182011063501	07/24/2018 11:25	Eric L Eby	1
01750	Calcium	SW-846 6010C	1	182011063501	07/24/2018 11:25	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	182011063501	07/24/2018 11:25	Eric L Eby	1
07053	Copper	SW-846 6010C	1	182011063501	07/24/2018 11:25	Eric L Eby	1
01754	Iron	SW-846 6010C	1	182011063501	07/24/2018 11:25	Eric L Eby	1
07055	Lead	SW-846 6010C	1	182011063501	07/24/2018 19:56	Cindy M Gehman	1
01757	Magnesium	SW-846 6010C	1	182011063501	07/24/2018 11:25	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	182011063501	07/24/2018 11:25	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	182011063501	07/24/2018 11:25	Eric L Eby	1
01762	Potassium	SW-846 6010C	1	182011063501	07/24/2018 11:25	Eric L Eby	1
01767	Sodium	SW-846 6010C	1	182011063501	07/24/2018 11:25	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	182011063501	07/24/2018 11:25	Eric L Eby	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182011063501	07/23/2018 22:20	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	18199249109A	07/19/2018 04:31	Zachary W Enck	1
00368	Nitrate Nitrogen	EPA 300.0	1	18199249109A	07/19/2018 04:31	Zachary W Enck	1
00228	Sulfate	EPA 300.0	2	18199249109A	07/23/2018 13:10	Zachary W Enck	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 07/17/2018 17:19
Collection Date/Time: 07/17/2018 09:36

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9707572
ELLE Group #: 1966526
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00217	Kjeldahl Nitrogen	EPA 351.2	1	18199108101A	07/23/2018 12:00	Joseph E McKenzie	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18199108101A	07/23/2018 12:00	Joseph E McKenzie	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18201667603A	07/21/2018 02:16	Drew M Gerhart	1
08255	Total Cyanide (water)	SW-846 9012B	1	18201117101A	07/24/2018 17:47	Gregory Baldree	1
14088	Phenols (water)	SW-846 9066	1	18206126101A	07/25/2018 12:54	Ashlynn M Cornelius	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18199108101A	07/18/2018 17:30	Barbara A Washington	1
08256	Cyanide Water Distillation	SW-846 9012B	1	18201117101A	07/20/2018 17:45	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18204005102A	07/23/2018 21:19	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18204005102A	07/23/2018 21:19	Jeremy L Bolf	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18200400101A	07/19/2018 06:38	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18204005102A	07/23/2018 21:19	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18204005102A	07/23/2018 21:19	Jeremy L Bolf	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18201021201A	07/20/2018 13:40	Amy L Hankins	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18200145702A	07/19/2018 14:09	Angelica Cintron	1
12152	pH	SM 4500-H+ B-2011	1	18204005102A	07/23/2018 21:19	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18206005201A	07/25/2018 10:34	Michelle L Lalli	1
01333	Sulfide	SM 4500-S2 F-2011	1	18199133301A	07/18/2018 10:00	Kevin Litwa	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18199055901A	07/18/2018 08:20	Kevin Litwa	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18198141083A	07/17/2018 23:02	Joseph Knisely	1

*=This limit was used in the evaluation of the final result

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1966526
Reported: 08/01/2018 16:01

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: 182011063501	Sample number(s): 9707571-9707572		
Arsenic	N.D.	0.0160	0.100
Calcium	N.D.	0.0330	1.00
Chromium	N.D.	0.0053	0.0300
Copper	N.D.	0.0062	0.0400
Iron	N.D.	0.0400	0.400
Lead	N.D.	0.0071	0.0300
Magnesium	N.D.	0.0190	0.200
Manganese	0.0011 J	0.0011	0.0400
Nickel	N.D.	0.0031	0.0200
Potassium	N.D.	0.203	1.00
Sodium	N.D.	0.326	2.00
Zinc	N.D.	0.0030	0.0400
Batch number: 18199108101A	Sample number(s): 9707571-9707572		
Kjeldahl Nitrogen	N.D.	0.50	1.00
Batch number: 18199249109A	Sample number(s): 9707571-9707572		
Chloride	N.D.	0.20	0.40
Nitrate Nitrogen	N.D.	0.050	0.10
Sulfate	N.D.	0.30	1.0
Batch number: 18201117101A	Sample number(s): 9707571-9707572		
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18201667602B	Sample number(s): 9707571		
Total Organic Carbon	N.D.	0.50	1.0
Batch number: 18201667603A	Sample number(s): 9707572		
Total Organic Carbon	N.D.	0.50	1.0
Batch number: 18206126101A	Sample number(s): 9707571-9707572		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18199022101A	Sample number(s): 9707571		
Ammonia Nitrogen	N.D.	0.25	0.75
Batch number: 18199055901A	Sample number(s): 9707572		
Silica (as SiO2)	N.D.	0.10	0.40
Batch number: 18199133301A	Sample number(s): 9707571-9707572		
Sulfide	N.D.	0.70	2.0
Batch number: 18200145702A	Sample number(s): 9707571-9707572		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1966526
Reported: 08/01/2018 16:01

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Total Suspended Solids	N.D.	1.00	3.00
Batch number: 18200400101A	Sample number(s): 9707571-9707572		
Chemical Oxygen Demand	N.D.	12.8	50.0
Batch number: 18201021201A	Sample number(s): 9707572		
Total Dissolved Solids	N.D.	20.0	60.0
Batch number: 18206005201A	Sample number(s): 9707572		
Ammonia-Nitrogen	N.D.	0.08	0.24
Batch number: 18206921201B	Sample number(s): 9707571		
Total Dissolved Solids	N.D.	20.0	60.0
Batch number: 18211055902A	Sample number(s): 9707571		
Silica (as SiO2)	N.D.	0.10	0.40
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3
Batch number: 18204005102A	Sample number(s): 9707571-9707572		
Total Alkalinity to pH 4.5	N.D.	1.7	5.0
	umhos/cm	umhos/cm	umhos/cm
Specific Conductance	N.D.	1.7	5.0

LCS/LCSD

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 182011063501	Sample number(s): 9707571-9707572								
Arsenic	0.150	0.151			101		80-120		
Calcium	4.00	4.10			102		88-112		
Chromium	0.200	0.201			100		87-110		
Copper	0.250	0.255			102		90-115		
Iron	1.00	1.01			101		80-114		
Lead	0.150	0.151			100		87-113		
Magnesium	2.00	2.04			102		88-114		
Manganese	0.500	0.507			101		90-112		
Nickel	0.500	0.517			103		90-114		
Potassium	10	10.28			103		88-112		
Sodium	10	10.37			104		87-112		
Zinc	0.500	0.508			102		89-111		
	mg/l	mg/l	mg/l	mg/l					

*- Outside of specification
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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1966526
Reported: 08/01/2018 16:01

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 18199108101A	Sample number(s): 9707571-9707572								
Kjeldahl Nitrogen	5.00	4.59			92		90-110		
Batch number: 18199249109A	Sample number(s): 9707571-9707572								
Chloride	3.00	3.01			100		90-110		
Nitrate Nitrogen	0.750	0.761			101		90-110		
Sulfate	7.50	7.24			97		90-110		
Batch number: 18201117101A	Sample number(s): 9707571-9707572								
Total Cyanide (water)	0.200	0.184			92		90-110		
Batch number: 18201667602B	Sample number(s): 9707571								
Total Organic Carbon	25	24.86			99		91-113		
Batch number: 18201667603A	Sample number(s): 9707572								
Total Organic Carbon	25	25.07			100		91-113		
Batch number: 18206126101A	Sample number(s): 9707571-9707572								
Phenols (water)	0.250	0.254			102		82-109		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18198141083A	Sample number(s): 9707571-9707572								
Biochemical Oxygen Demand-BOD	198	199.11			101		85-115		
Batch number: 18199022101A	Sample number(s): 9707571								
Ammonia Nitrogen	10	9.65			96		93-100		
Batch number: 18199055901A	Sample number(s): 9707572								
Silica (as SiO2)	2.50	2.57			103		95-110		
Batch number: 18199133301A	Sample number(s): 9707571-9707572								
Sulfide	20	17.77	20	17.38	89	87	80-120	2	4
Batch number: 18200145702A	Sample number(s): 9707571-9707572								
Total Suspended Solids	150	136.4			91		74-118		
Batch number: 18200400101A	Sample number(s): 9707571-9707572								
Chemical Oxygen Demand	500	507.7			102		94-110		
Batch number: 18201021201A	Sample number(s): 9707572								
Total Dissolved Solids	200	184			92		62-127		
Batch number: 18206005201A	Sample number(s): 9707572								
Ammonia-Nitrogen	5.00	5.21			104		77-133		
Batch number: 18206921201B	Sample number(s): 9707571								
Total Dissolved Solids	200	174			87		62-127		
Batch number: 18211055902A	Sample number(s): 9707571								

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1966526
Reported: 08/01/2018 16:01

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Silica (as SiO2)	2.50	2.59			103		95-110		
	mg/l as CaCO3	**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**					
Batch number: 18204005102A	Sample number(s): 9707571-9707572								
Total Alkalinity to pH 4.5	188	164.27			87		77-109		
	Std. Units	**Std. Units**	**Std. Units**	**Std. Units**					
Batch number: 18204005102A	Sample number(s): 9707571-9707572								
pH	7.00	7.02			100		95-105		
Batch number: 18204006102A	Sample number(s): 9707571								
pH	7.00	7.01			100		95-105		
	umhos/cm	**umhos/cm**	**umhos/cm**	**umhos/cm**					
Batch number: 18204005102A	Sample number(s): 9707571-9707572								
Specific Conductance	147	148.3			101		80-121		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 18199249109A	Sample number(s): 9707571-9707572 UNSPK: 9707571									
Chloride	806.14	400	1195.76			97		90-110		
Nitrate Nitrogen	N.D.	2.50	2.80			112*		90-110		
Sulfate	64.27	25	98.24			136*		90-110		
	mg/l	**mg/l**	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18199055901A	Sample number(s): 9707572 UNSPK: 9707571									
Silica (as SiO2)	67.66	50	113.98	50	113.27	93*	91*	95-110	1	3
Batch number: 18211055902A	Sample number(s): 9707571 UNSPK: 9707571									
Silica (as SiO2)	49.7	50	99.04	50	102.98	99	107	95-110	4*	3

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1966526
Reported: 08/01/2018 16:01

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	mg/l	mg/l		
Batch number: 18199249109A	Sample number(s): 9707571-9707572 BKG: 9707571			
Chloride	806.14	779	3	15
Nitrate Nitrogen	N.D.	N.D.	0 (1)	15
Sulfate	64.27	64.58	0	15
	mg/l	mg/l		
Batch number: 18199055901A	Sample number(s): 9707572 BKG: 9707571			
Silica (as SiO2)	67.66	59.38	13*	3
Batch number: 18206921201B	Sample number(s): 9707571 BKG: 9707571			
Total Dissolved Solids	3568	3528	1	5
Batch number: 18211055902A	Sample number(s): 9707571 BKG: 9707571			
Silica (as SiO2)	49.7	49.6	0 (1)	3

*- Outside of specification
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(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

20080/1966526/9707571-72

For CIL Unmixed Monthly Leachates

Brickhouse Environmental
Environmental Consultants & Engineers
515 S. Franklin St. West Chester, PA 19382 610.692.5770 Fax 610.692.8650

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

COC #: | of
Lab Quote #:

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

Project Name: DSWA (CIL)
Project Location: Cherry Island Landfill
Project Number: 10-2671-20
Project Manager: Doug Schott
PO No: 294376
Bill To: Above
TAT: [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X] -Y dschott@brickhouse-environmental.com; anicolardi@brickhouse-environmental.com

Container Type	P	gl	P	P	AV	P	gl	P	P	P	gl	P		
Container Size	500 mL	500 mL	250 mL	250 mL	40 mL	250 ml	250 mL	1 L	50 ml	250 ml	500 ml	1L		
Preservative	None	H2SO4	HNO3	None	H3PO4	NaOH/asc	H2SO4	H2SO4	None	H2SO4	[illegible]	None		

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	BOD, TDS, Silica	Ammonia-Nitrogen	As, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Na, Zn	pH, Spec. Cond, Alkalinity, Phen-Alk	TOC	Cyanide	Phenols	Ammonia-Nitrogen	Chloride, Nitrate, Sulfate	COD, TKN, TON	Sulfide	TSS		
					Enter Number of Containers Per Sample or Field Results Below.													
CI-MPS Composite	7/17/18	935	C	OL	2		1	1	2	1	1	1	1	1	1	1		
EB/N2			G	OL	2	1	1	1	2	1	1		1	1	1	1		
TB/N2	7/17/18	936	G	OL	2	1	1	1	2	1	1		1	1	1	1		

Project Comments:

Logged By (initials/date/time):
Reviewed By (initials/date/time):

Receipt Information (Receiving Lab)
Cooler Temp: ____ Cooler #: ____
Therm. ID ____

	Y	N
Custody Seals Present?		
(if present) Seals Intact?		
Received on Ice?		
COC/Labels Agree?		
Cont. in Good Cond.?		
Correct Containers?		
Correct Sample Volumes?		
Correct Preservation?		

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other ____
Tracking #: ____
Sample/COC Comments/PID Response/Etc.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Anthony Nicolardi	7/17/18	1540	2	7-17-18	1548
3	7.17.18		4		
5			6		
7			8		
9			10 ECLE	7/17/18	1719

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]
Special Processing: USACE [ ] Navy [ ]
State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE
Reportable to PADEP? Yes [ ]
Sample Disposal: Lab [X] Special [ ]
PWSID # ____
EDDS: Format Type ____

* G=Grab; C=Composite
** Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 2/11

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 221773

Group Number(s): 1966526

Client: DSWA

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	07/17/2018 17:19
Number of Packages:	3	Number of Projects:	2

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	13
Samples Intact:	Yes	Trip Blank Type:	See COC
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Simon Nies (25112) at 19:11 on 07/17/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-03	1.9	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

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www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: August 16, 2018 16:40

Project: DSWA (CIL)

Account #: 20080
Group Number: 1973394
PO Number: 294381
Release Number: 10-2671-20
State of Sample Origin: DE

Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
EB/N2 Grab Water	08/06/2018 08:40	9739402

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: EB/N2 Grab Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 08/06/2018 16:11
Collection Date/Time: 08/06/2018 08:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9739402
ELLE Group #: 1973394
Matrix: Water

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic		7440-38-2	N.D.	0.0160	0.100	1
01750	Calcium		7440-70-2	0.0887 J	0.0330	1.00	1
07051	Chromium		7440-47-3	N.D.	0.0053	0.0300	1
07053	Copper		7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron		7439-89-6	N.D.	0.0400	0.400	1
07055	Lead		7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium		7439-95-4	0.0372 J	0.0190	0.200	1
07058	Manganese		7439-96-5	N.D.	0.0011	0.0400	1
07061	Nickel		7440-02-0	N.D.	0.0031	0.0200	1
01762	Potassium		7440-09-7	N.D.	0.203	1.00	1
01767	Sodium		7440-23-5	N.D.	0.326	2.00	1
07072	Zinc		7440-66-6	N.D.	0.0030	0.0400	1
Wet Chemistry		**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride		16887-00-6	N.D.	0.20	0.40	1
00368	Nitrate Nitrogen		14797-55-8	N.D.	0.050	0.10	1
00228	Sulfate		14808-79-8	N.D.	0.30	1.0	1
		EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen		n.a.	N.D.	0.50	1.00	1
		SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen		n.a.	N.D.	0.50	1.00	1
		SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon		n.a.	N.D.	0.50	1.0	1
		SW-846 9012B		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)		57-12-5	N.D.	0.0050	0.010	1
		SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)		n.a.	N.D.	0.010	0.020	1
		EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	2.1 J	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.6	0.010	0.010	1
		EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand		n.a.	N.D.	12.8	50.0	1
		SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Grab Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 08/06/2018 16:11
Collection Date/Time: 08/06/2018 08:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9739402
ELLE Group #: 1973394
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2320 B-2011**		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	N.D.	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	N.D.	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	N.D.	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	6.55	0.01	0.01	1
	SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen	7664-41-7	N.D.	0.08	0.24	1
	SM 4500-S2 F-2011		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide	18496-25-8	N.D.	0.70	2.0	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)	7631-86-9	0.15 J	0.10	0.40	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D.	2.00	2.00	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010C	1	182191063501	08/08/2018 11:51	Suzanne M Will	1
01750	Calcium	SW-846 6010C	1	182191063501	08/08/2018 11:51	Suzanne M Will	1
07051	Chromium	SW-846 6010C	1	182191063501	08/08/2018 11:51	Suzanne M Will	1
07053	Copper	SW-846 6010C	1	182191063501	08/08/2018 11:51	Suzanne M Will	1
01754	Iron	SW-846 6010C	1	182191063501	08/08/2018 11:51	Suzanne M Will	1
07055	Lead	SW-846 6010C	1	182191063501	08/08/2018 11:51	Suzanne M Will	1
01757	Magnesium	SW-846 6010C	1	182191063501	08/08/2018 17:22	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	182191063501	08/08/2018 11:51	Suzanne M Will	1
07061	Nickel	SW-846 6010C	1	182191063501	08/08/2018 11:51	Suzanne M Will	1
01762	Potassium	SW-846 6010C	1	182191063501	08/08/2018 11:51	Suzanne M Will	1
01767	Sodium	SW-846 6010C	1	182191063501	08/08/2018 11:51	Suzanne M Will	1
07072	Zinc	SW-846 6010C	1	182191063501	08/08/2018 11:51	Suzanne M Will	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182191063501	08/08/2018 00:01	Denise L Trimby	1
00224	Chloride	EPA 300.0	1	18219520106A	08/07/2018 14:52	Ashlynn M Cornelius	1
00368	Nitrate Nitrogen	EPA 300.0	1	18219520106A	08/07/2018 14:52	Ashlynn M Cornelius	1
00228	Sulfate	EPA 300.0	1	18219520106A	08/07/2018 14:52	Ashlynn M Cornelius	1
00217	Kjeldahl Nitrogen	EPA 351.2	1	18219108102A	08/10/2018 13:29	Joseph E McKenzie	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB/N2 Grab Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 08/06/2018 16:11
Collection Date/Time: 08/06/2018 08:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9739402
ELLE Group #: 1973394
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18219108102A	08/10/2018 13:29	Joseph E McKenzie	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18222667606A	08/11/2018 12:59	Drew M Gerhart	1
08255	Total Cyanide (water)	SW-846 9012B	1	18227117101A	08/15/2018 13:21	Joseph E McKenzie	1
14088	Phenols (water)	SW-846 9066	1	18221126101B	08/09/2018 13:13	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18219108102A	08/07/2018 17:00	Barbara A Washington	1
08256	Cyanide Water Distillation	SW-846 9012B	2	18227117101A	08/15/2018 07:05	Nancy J Shoop	1
12146	Specific Conductance	EPA 120.1	1	18225003102A	08/13/2018 21:28	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18225003102A	08/13/2018 21:28	Jeremy L Bolf	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18219400103A	08/07/2018 07:12	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18225003102A	08/13/2018 21:28	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18225003102A	08/13/2018 21:28	Jeremy L Bolf	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18220921202A	08/08/2018 15:13	Alexa Sanchez	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18221145701A	08/09/2018 11:42	Angelica Cintron	1
12152	pH	SM 4500-H+ B-2011	1	18225003102A	08/13/2018 21:28	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18219005201A	08/08/2018 01:28	Michelle L Lalli	1
01333	Sulfide	SM 4500-S2 F-2011	1	18220133301A	08/08/2018 08:10	Susan E Hibner	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18221055901A	08/09/2018 13:40	Susan E Hibner	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18219141081A	08/07/2018 15:47	Leroy C Poole	1

*=This limit was used in the evaluation of the final result

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1973394
Reported: 08/16/2018 16:40

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: 182191063501	Sample number(s): 9739402		
Arsenic	N.D.	0.0160	0.100
Calcium	N.D.	0.0330	1.00
Chromium	N.D.	0.0053	0.0300
Copper	N.D.	0.0062	0.0400
Iron	N.D.	0.0400	0.400
Lead	N.D.	0.0071	0.0300
Magnesium	N.D.	0.0190	0.200
Manganese	N.D.	0.0011	0.0400
Nickel	N.D.	0.0031	0.0200
Potassium	N.D.	0.203	1.00
Sodium	N.D.	0.326	2.00
Zinc	N.D.	0.0030	0.0400
Batch number: 18219108102A	Sample number(s): 9739402		
Kjeldahl Nitrogen	N.D.	0.50	1.00
Batch number: 18219520106A	Sample number(s): 9739402		
Chloride	N.D.	0.20	0.40
Nitrate Nitrogen	N.D.	0.050	0.10
Sulfate	N.D.	0.30	1.0
Batch number: 18221126101B	Sample number(s): 9739402		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18222667606A	Sample number(s): 9739402		
Total Organic Carbon	N.D.	0.50	1.0
Batch number: 18227117101A	Sample number(s): 9739402		
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18219005201A	Sample number(s): 9739402		
Ammonia-Nitrogen	N.D.	0.08	0.24
Batch number: 18219400103A	Sample number(s): 9739402		
Chemical Oxygen Demand	N.D.	12.8	50.0
Batch number: 18220133301A	Sample number(s): 9739402		
Sulfide	N.D.	0.70	2.0
Batch number: 18220921202A	Sample number(s): 9739402		
Total Dissolved Solids	N.D.	20.0	60.0
Batch number: 18221055901A	Sample number(s): 9739402		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1973394
Reported: 08/16/2018 16:40

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Silica (as SiO2)	N.D.	0.10	0.40
Batch number: 18221145701A	Sample number(s): 9739402		
Total Suspended Solids	N.D.	1.00	3.00
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3
Batch number: 18225003102A	Sample number(s): 9739402		
Total Alkalinity to pH 4.5	N.D.	1.7	5.0
	umhos/cm	umhos/cm	umhos/cm
Specific Conductance	N.D.	1.7	5.0

LCS/LCSD

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 182191063501	Sample number(s): 9739402								
Arsenic	0.150	0.155			103		80-120		
Calcium	4.00	4.28			107		88-112		
Chromium	0.200	0.209			105		87-110		
Copper	0.250	0.261			105		90-115		
Iron	1.00	1.08			108		80-114		
Lead	0.150	0.157			105		87-113		
Magnesium	2.00	2.14			107		88-114		
Manganese	0.500	0.528			106		90-112		
Nickel	0.500	0.533			107		90-114		
Potassium	10	10.8			108		88-112		
Sodium	10	10.69			107		87-112		
Zinc	0.500	0.527			105		89-111		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 18219108102A	Sample number(s): 9739402								
Kjeldahl Nitrogen	5.00	4.77			95		90-110		
Batch number: 18219520106A	Sample number(s): 9739402								
Chloride	3.00	3.04			101		90-110		
Nitrate Nitrogen	0.750	0.760			101		90-110		
Sulfate	7.50	7.58			101		90-110		
Batch number: 18221126101B	Sample number(s): 9739402								
Phenols (water)	0.250	0.243			97		82-109		
Batch number: 18222667606A	Sample number(s): 9739402								

*- Outside of specification
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(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1973394
Reported: 08/16/2018 16:40

LCS/LCSD (continued)

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Total Organic Carbon	25	25.83			103		91-113		
Batch number: 18227117101A	Sample number(s): 9739402								
Total Cyanide (water)	0.200	0.198			99		90-110		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 18219005201A	Sample number(s): 9739402								
Ammonia-Nitrogen	5.00	4.72			94		77-133		
Batch number: 18219141081A	Sample number(s): 9739402								
Biochemical Oxygen Demand-BOD	198	208.8			105		85-115		
Batch number: 18219400103A	Sample number(s): 9739402								
Chemical Oxygen Demand	500	508.9			102		94-110		
Batch number: 18220133301A	Sample number(s): 9739402								
Sulfide	20	19.75	20	18.77	99	94	80-120	5*	4
Batch number: 18220921202A	Sample number(s): 9739402								
Total Dissolved Solids	200	213			107		62-127		
Batch number: 18221055901A	Sample number(s): 9739402								
Silica (as SiO2)	2.50	2.59			104		95-110		
Batch number: 18221145701A	Sample number(s): 9739402								
Total Suspended Solids	150	143.5	150	143.4	96	96	74-118	0	5
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3					
Batch number: 18225003102A	Sample number(s): 9739402								
Total Alkalinity to pH 4.5	188	164.71	188	172.34	88	92	77-109	5	5
	Std. Units	Std. Units	Std. Units	Std. Units					
Batch number: 18225003102A	Sample number(s): 9739402								
pH	7.00	7.01	7.00	7.01	100	100	95-105	0	3
	umhos/cm	umhos/cm	umhos/cm	umhos/cm					
Batch number: 18225003102A	Sample number(s): 9739402								
Specific Conductance	147	148.9	147	148.7	101	101	80-121	0	5

*- Outside of specification
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(1) The result for one or both determinations was less than five times the LOQ.
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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1973394
Reported: 08/16/2018 16:40

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

20080 | 1973394 | 9739402

For CIL Unmixed Monthly Leachates

Brickhouse Environmental

Environmental Consultants & Engineers

515 S. Franklin St. West Chester, PA 19382 610.692.5770 Fax: 610.692.8650

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

COC #: | of

Lab Quote #:

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

Project Name: DSWA (CIL)

Project Location: Cherry Island Landfill

Project Number: 10-2671-20

Project Manager: Doug Schott

PO No: 294381

Bill To: Above

TAT: [X] Normal-Standard TAT [ ] Rush-TAT

Date Required: Approved By:

Email? [X] -Y dschott@brickhouse-environmental.com; anicolardi@brickhouse-environmental.com

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	TSS	NH3-N	As, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Na, Zn	pH, Spec. Cond, Alkalinity, Phen-Alk	TOC	Cyanide (grab)	Total Phenols	NH3-N	Chloride, Nitrate, Sulfate	COD, TKN, TON	Sulfide	Diss. Silica, TDS, BOD
Container Type					P	gl	P	P	AV	P	gl	P	P	P	gl	P
Container Size					1 L	500 mL	250 mL	250 mL	40 mL	250 mL	250 mL	1000 mL	50 mL	250 mL	500 mL	500 mL
Preservative					None	H2SO4	HNO3	None	H3PO4	NaOH	H2SO4	H2SO4	None	H2SO4	NaOH/Zinc	None
					ANALYSES/METHOD REQUESTED											
					Enter Number of Containers Per Sample or Field Results Below.											
C-MPS Composite			C	OL	1		1	1	2	1	1	1	1	1	1	2
EB/N2	8/6/18	840	G	OL	1	1	1	1	2	1	1		1	1	1	2
TB/N2			G	OL	1	1	1	1	2	1	1		1	1	1	2

Receipt Information (Receiving Lab)

Cooler Temp: 2.3 Cooler #: 1

Therm. ID: D142-01

	Y	N
Custody Seals Present?		X
(if present) Seals Intact?		
Received on Ice?	X	
COC/Labels Agree?	X	
Cont. in Good Cond.?	X	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other

Tracking #:

Sample/COC Comments/PID Response/Etc.

Project Comments:

Logged By (initials/date/time):

Reviewed By (initials/date/time):

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1		8/6/18	1442	2		8-6-18	1442
3		8.6.18	1611	4			
5				6			
7				8			
9				10		8-6-18	1611

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE

Special Processing: USACE [ ] Navy [ ]

State Sampl Collected I: [ ] PA [ ] NJ [ ] NY [X] DE

Reportable to PADEP? Yes [ ]

Sample Disposal: Lab [X] Special [ ]

PWSID #

EDDS: Format Type-

* G=Grab; C=Composite **Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 2/

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Sample Administration Receipt Documentation Log

Doc Log ID: 223406

Group Number(s): 1973394

Client: Brickhouse Environmental

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	08/06/2018 16:11
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	PA		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Cory Jeremiah (10469) at 16:28 on 08/06/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	2.3	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report
R	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: August 20, 2018 16:07

Project: DSWA (CIL)

Account #: 20080
Group Number: 1973879
PO Number: 294381
Release Number: 10-2671-2
State of Sample Origin: DE

Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289

To view our laboratory's current scopes of accreditation please go to http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . Historical copies may be requested through your project manager.



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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
CI-MPS Composite Leachate	08/07/2018 14:34	9741286
TB/N2 Water	08/07/2018 14:35	9741287

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **CI-MPS Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 08/07/2018 17:09
Collection Date/Time: 08/07/2018 14:34

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9741286
ELLE Group #: 1973879
Matrix: Leachate

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic		7440-38-2	0.0259 J	0.0160	0.100	1
01750	Calcium		7440-70-2	165	0.0330	1.00	1
07051	Chromium		7440-47-3	0.0549	0.0053	0.0300	1
07053	Copper		7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron		7439-89-6	1.68	0.0400	0.400	1
07055	Lead		7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium		7439-95-4	233	0.0190	0.200	1
07058	Manganese		7439-96-5	1.60	0.0011	0.0400	1
07061	Nickel		7440-02-0	0.0409	0.0031	0.0200	1
01762	Potassium		7440-09-7	215	0.203	1.00	1
01767	Sodium		7440-23-5	722	1.63	10.0	5
07072	Zinc		7440-66-6	0.0040 J	0.0030	0.0400	1
Wet Chemistry		**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride		16887-00-6	888	40.0	80.0	200
00368	Nitrate Nitrogen		14797-55-8	N.D.	0.25	0.50	5
00228	Sulfate		14808-79-8	34.4	1.5	5.0	5
		EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen		n.a.	324.50	62.50	125.00	5
		SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen		n.a.	N.D.	62.50	125.00	1
		SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon		n.a.	213	5.0	10.0	10
		SW-846 9012B		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)		57-12-5	0.052	0.0050	0.010	1
		SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)		n.a.	N.D.	0.25	0.50	25
		EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	8,730	8.5	25.0	5
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	21.0	0.010	0.010	1
		EPA 350.2		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen		7664-41-7	350.57	1.25	3.75	5
		EPA 410.4		**mg/l**	**mg/l**	**mg/l**	

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 08/07/2018 17:09
Collection Date/Time: 08/07/2018 14:34

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9741286
ELLE Group #: 1973879
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 410.4**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	611	64.0	250	5
Wet Chemistry	**SM 2320 B-2011**		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	2,920	8.5	25.0	5
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	8.5	25.0	5
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	4,450	400	1,200	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	7.00 J	3.00	9.00	1
	Reporting limits were raised due to interference from the sample matrix.					
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	7.52	0.01	0.01	1
	SM 4500-S2 F-2011		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide	18496-25-8	1.4 J	0.70	2.0	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)	7631-86-9	48.6	2.5	10.0	25
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	35.9	2.00	2.00	1

Sample Comments

Preservation requirements were not met. The pH preservation of all non-volatile containers was checked upon receipt at the laboratory. The container for the following analysis was not within specification and was adjusted accordingly by the laboratory: Kjeldahl Nitrogen, Ammonia Nitrogen, Total Organic Carbon, Chemical Oxygen Demand, Phenols (water)

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010C	1	182211063501	08/10/2018 11:17	Eric L Eby	1
01750	Calcium	SW-846 6010C	1	182211063501	08/10/2018 11:17	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	182211063501	08/10/2018 11:17	Eric L Eby	1
07053	Copper	SW-846 6010C	1	182211063501	08/10/2018 11:17	Eric L Eby	1
01754	Iron	SW-846 6010C	1	182211063501	08/10/2018 11:17	Eric L Eby	1
07055	Lead	SW-846 6010C	1	182211063501	08/10/2018 11:17	Eric L Eby	1
01757	Magnesium	SW-846 6010C	1	182211063501	08/10/2018 11:17	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	182211063501	08/10/2018 11:17	Eric L Eby	1

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 08/07/2018 17:09
Collection Date/Time: 08/07/2018 14:34

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9741286
ELLE Group #: 1973879
Matrix: Leachate

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07061	Nickel	SW-846 6010C	1	182211063501	08/10/2018 11:17	Eric L Eby	1
01762	Potassium	SW-846 6010C	1	182211063501	08/10/2018 11:17	Eric L Eby	1
01767	Sodium	SW-846 6010C	1	182211063501	08/13/2018 00:55	Xavier Arroyo	5
07072	Zinc	SW-846 6010C	1	182211063501	08/10/2018 11:17	Eric L Eby	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182211063501	08/10/2018 00:06	Denise L Trimby	1
00224	Chloride	EPA 300.0	2	18220987113B	08/08/2018 21:39	Clinton M Wilson	200
00368	Nitrate Nitrogen	EPA 300.0	1	18220987113B	08/08/2018 21:22	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	18220987113B	08/08/2018 21:22	Clinton M Wilson	5
00217	Kjeldahl Nitrogen	EPA 351.2	2	18226108101B	08/15/2018 14:14	Joseph E McKenzie	5
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18226108101B	08/15/2018 14:14	Joseph E McKenzie	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18226667603A	08/14/2018 20:31	Drew M Gerhart	10
08255	Total Cyanide (water)	SW-846 9012B	1	18227117101A	08/15/2018 13:22	Joseph E McKenzie	1
14088	Phenols (water)	SW-846 9066	1	18221126101B	08/09/2018 13:17	Brianna A Poole	25
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	2	18226108101B	08/14/2018 18:00	Barbara A Washington	1
08256	Cyanide Water Distillation	SW-846 9012B	2	18227117101A	08/15/2018 07:05	Nancy J Shoop	1
12146	Specific Conductance	EPA 120.1	1	18225003102A	08/13/2018 22:42	Jeremy L Bolf	5
12151	Temperature of pH	EPA 170.1	2	18226121521A	08/14/2018 20:00	Jeremy L Bolf	1
00221	Ammonia Nitrogen	EPA 350.2	1	18220022101A	08/08/2018 12:40	Luz M Groff	5
04001	Chemical Oxygen Demand	EPA 410.4	1	18221400102B	08/09/2018 07:54	Susan A Engle	5
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18225003102A	08/13/2018 22:42	Jeremy L Bolf	5
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18225003102A	08/13/2018 22:42	Jeremy L Bolf	5
00212	Total Dissolved Solids	SM 2540 C-2011	1	18225921203B	08/13/2018 15:14	Alexa Sanchez	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18221145703B	08/09/2018 16:42	Alexa Sanchez	1
12152	pH	SM 4500-H+ B-2011	2	18226121521A	08/14/2018 20:00	Jeremy L Bolf	1
01333	Sulfide	SM 4500-S2 F-2011	1	18220133302A	08/08/2018 11:55	Susan E Hibner	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18221055901A	08/09/2018 13:40	Susan E Hibner	25
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18219141082A	08/07/2018 23:22	Joseph Knisely	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 08/07/2018 17:09
Collection Date/Time: 08/07/2018 14:35

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9741287
ELLE Group #: 1973879
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
01750	Calcium	7440-70-2	N.D.	0.0330	1.00	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron	7439-89-6	N.D.	0.0400	0.400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium	7439-95-4	N.D.	0.0190	0.200	1
07058	Manganese	7439-96-5	N.D.	0.0011	0.0400	1
07061	Nickel	7440-02-0	N.D.	0.0031	0.0200	1
01762	Potassium	7440-09-7	1.48	0.203	1.00	1
01767	Sodium	7440-23-5	0.963 J	0.326	2.00	1
07072	Zinc	7440-66-6	0.0604	0.0030	0.0400	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	N.D.	0.20	0.40	1
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.050	0.10	1
00228	Sulfate	14808-79-8	N.D.	0.30	1.0	1
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	0.52 J	0.50	1.00	1
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	0.52 J	0.50	1.00	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	N.D.	0.50	1.0	1
	SW-846 9012B		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)	57-12-5	N.D.	0.0050	0.010	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	N.D.	1.7	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.8	0.010	0.010	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 08/07/2018 17:09
Collection Date/Time: 08/07/2018 14:35

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9741287
ELLE Group #: 1973879
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2320 B-2011**		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	N.D.	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	N.D.	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	N.D.	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	6.09	0.01	0.01	1
	SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen	7664-41-7	N.D.	0.08	0.24	1
	SM 4500-S2 F-2011		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide	18496-25-8	N.D.	0.70	2.0	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)	7631-86-9	N.D.	0.10	0.40	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D.	2.00	2.00	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
01750	Calcium	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
07053	Copper	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
01754	Iron	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
07055	Lead	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
01757	Magnesium	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
01762	Potassium	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
01767	Sodium	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	182211063501	08/10/2018 11:20	Eric L Eby	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182211063501	08/10/2018 00:06	Denise L Trimby	1
00224	Chloride	EPA 300.0	1	18220987113B	08/08/2018 21:56	Clinton M Wilson	1
00368	Nitrate Nitrogen	EPA 300.0	1	18220987113B	08/08/2018 21:56	Clinton M Wilson	1
00228	Sulfate	EPA 300.0	1	18220987113B	08/08/2018 21:56	Clinton M Wilson	1
00217	Kjeldahl Nitrogen	EPA 351.2	1	18221108102A	08/13/2018 12:56	Joseph E McKenzie	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 08/07/2018 17:09
Collection Date/Time: 08/07/2018 14:35

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9741287
ELLE Group #: 1973879
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18221108102A	08/13/2018 12:56	Joseph E McKenzie	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18226667603A	08/14/2018 20:45	Drew M Gerhart	1
08255	Total Cyanide (water)	SW-846 9012B	1	18227117101B	08/15/2018 13:26	Joseph E McKenzie	1
14088	Phenols (water)	SW-846 9066	1	18221126101B	08/09/2018 13:19	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18221108102A	08/09/2018 17:05	Barbara A Washington	1
08256	Cyanide Water Distillation	SW-846 9012B	2	18227117101B	08/15/2018 07:05	Nancy J Shoop	1
12146	Specific Conductance	EPA 120.1	1	18225003102A	08/13/2018 22:34	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18225003102A	08/13/2018 22:34	Jeremy L Bolf	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18221400102A	08/09/2018 07:54	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18225003102A	08/13/2018 22:34	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18225003102A	08/13/2018 22:34	Jeremy L Bolf	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18225921203A	08/13/2018 15:14	Alexa Sanchez	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18225145701A	08/13/2018 11:17	Angelica Cintron	1
12152	pH	SM 4500-H+ B-2011	1	18225003102A	08/13/2018 22:34	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18226004201A	08/14/2018 22:35	Michelle L Lalli	1
01333	Sulfide	SM 4500-S2 F-2011	1	18220133302A	08/08/2018 11:55	Susan E Hibner	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18221055901A	08/09/2018 13:40	Susan E Hibner	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18219141082A	08/07/2018 23:22	Joseph Knisely	1

*=This limit was used in the evaluation of the final result

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1973879
Reported: 08/20/2018 16:07

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: 182211063501	Sample number(s): 9741286-9741287		
Arsenic	N.D.	0.0160	0.100
Calcium	N.D.	0.0330	1.00
Chromium	N.D.	0.0053	0.0300
Copper	N.D.	0.0062	0.0400
Iron	N.D.	0.0400	0.400
Lead	N.D.	0.0071	0.0300
Magnesium	N.D.	0.0190	0.200
Manganese	N.D.	0.0011	0.0400
Nickel	N.D.	0.0031	0.0200
Potassium	N.D.	0.203	1.00
Sodium	N.D.	0.326	2.00
Zinc	N.D.	0.0030	0.0400
Batch number: 18220987113B	Sample number(s): 9741286-9741287		
Chloride	N.D.	0.20	0.40
Nitrate Nitrogen	N.D.	0.050	0.10
Sulfate	N.D.	0.30	1.0
Batch number: 18221108102A	Sample number(s): 9741287		
Kjeldahl Nitrogen	N.D.	0.50	1.00
Batch number: 18221126101B	Sample number(s): 9741286-9741287		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18226108101B	Sample number(s): 9741286		
Kjeldahl Nitrogen	N.D.	0.50	1.00
Batch number: 18226667603A	Sample number(s): 9741286-9741287		
Total Organic Carbon	N.D.	0.50	1.0
Batch number: 18227117101A	Sample number(s): 9741286		
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18227117101B	Sample number(s): 9741287		
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18220022101A	Sample number(s): 9741286		
Ammonia Nitrogen	N.D.	0.25	0.75
Batch number: 18220133302A	Sample number(s): 9741286-9741287		
Sulfide	N.D.	0.70	2.0
Batch number: 18221055901A	Sample number(s): 9741286-9741287		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1973879
Reported: 08/20/2018 16:07

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Silica (as SiO2)	N.D.	0.10	0.40
Batch number: 18221145703B	Sample number(s): 9741286		
Total Suspended Solids	N.D.	1.00	3.00
Batch number: 18221400102A	Sample number(s): 9741287		
Chemical Oxygen Demand	N.D.	12.8	50.0
Batch number: 18221400102B	Sample number(s): 9741286		
Chemical Oxygen Demand	N.D.	12.8	50.0
Batch number: 18225145701A	Sample number(s): 9741287		
Total Suspended Solids	N.D.	1.00	3.00
Batch number: 18225921203A	Sample number(s): 9741287		
Total Dissolved Solids	N.D.	20.0	60.0
Batch number: 18225921203B	Sample number(s): 9741286		
Total Dissolved Solids	N.D.	20.0	60.0
Batch number: 18226004201A	Sample number(s): 9741287		
Ammonia-Nitrogen	N.D.	0.08	0.24
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3
Batch number: 18225003102A	Sample number(s): 9741286-9741287		
Total Alkalinity to pH 4.5	N.D.	1.7	5.0
	umhos/cm	umhos/cm	umhos/cm
Specific Conductance	N.D.	1.7	5.0

LCS/LCSD

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 182211063501	Sample number(s): 9741286-9741287								
Arsenic	0.150	0.148			99		80-120		
Calcium	4.00	4.00			100		88-112		
Chromium	0.200	0.191			95		87-110		
Copper	0.250	0.255			102		90-115		
Iron	1.00	0.951			95		80-114		
Lead	0.150	0.145			97		87-113		
Magnesium	2.00	1.99			100		88-114		
Manganese	0.500	0.493			99		90-112		
Nickel	0.500	0.513			103		90-114		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1973879
Reported: 08/20/2018 16:07

LCS/LCSD (continued)

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Potassium	10	9.95			99		88-112		
Sodium	10	10.22			102		87-112		
Zinc	0.500	0.495			99		89-111		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 18220987113B	Sample number(s): 9741286-9741287								
Chloride	3.00	2.92			97		90-110		
Nitrate Nitrogen	0.750	0.737			98		90-110		
Sulfate	7.50	7.22			96		90-110		
Batch number: 18221108102A	Sample number(s): 9741287								
Kjeldahl Nitrogen	5.00	5.50			110		90-110		
Batch number: 18221126101B	Sample number(s): 9741286-9741287								
Phenols (water)	0.250	0.243			97		82-109		
Batch number: 18226108101B	Sample number(s): 9741286								
Kjeldahl Nitrogen	5.00	5.45			109		90-110		
Batch number: 18226667603A	Sample number(s): 9741286-9741287								
Total Organic Carbon	25	25.75			103		91-113		
Batch number: 18227117101A	Sample number(s): 9741286								
Total Cyanide (water)	0.200	0.198			99		90-110		
Batch number: 18227117101B	Sample number(s): 9741287								
Total Cyanide (water)	0.200	0.198			99		90-110		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 18219141082A	Sample number(s): 9741286-9741287								
Biochemical Oxygen Demand-BOD	198	223.17			113		85-115		
Batch number: 18220022101A	Sample number(s): 9741286								
Ammonia Nitrogen	10	9.65			96		93-100		
Batch number: 18220133302A	Sample number(s): 9741286-9741287								
Sulfide	20	17.79	20	17.79	89	89	80-120	0	4
Batch number: 18221055901A	Sample number(s): 9741286-9741287								
Silica (as SiO2)	2.50	2.59			104		95-110		
Batch number: 18221145703B	Sample number(s): 9741286								
Total Suspended Solids	150	142.3	150	145.5	95	97	74-118	2	5
Batch number: 18221400102A	Sample number(s): 9741287								
Chemical Oxygen Demand	500	503			101		94-110		
Batch number: 18221400102B	Sample number(s): 9741286								

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1973879
Reported: 08/20/2018 16:07

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chemical Oxygen Demand	500	503			101		94-110		
Batch number: 18225145701A	Sample number(s): 9741287								
Total Suspended Solids	150	143			95		74-118		
Batch number: 18225921203A	Sample number(s): 9741287								
Total Dissolved Solids	200	222			111		62-127		
Batch number: 18225921203B	Sample number(s): 9741286								
Total Dissolved Solids	200	222			111		62-127		
Batch number: 18226004201A	Sample number(s): 9741287								
Ammonia-Nitrogen	5.00	4.91			98		77-133		
	mg/l as CaCO3	**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**					
Batch number: 18225003102A	Sample number(s): 9741286-9741287								
Total Alkalinity to pH 4.5	188	164.71	188	172.34	88	92	77-109	5	5
	Std. Units	**Std. Units**	**Std. Units**	**Std. Units**					
Batch number: 18225003102A	Sample number(s): 9741286-9741287								
pH	7.00	7.01	7.00	7.01	100	100	95-105	0	3
Batch number: 18226121521A	Sample number(s): 9741286								
pH	7.00	6.94			99		95-105		
	umhos/cm	**umhos/cm**	**umhos/cm**	**umhos/cm**					
Batch number: 18225003102A	Sample number(s): 9741286-9741287								
Specific Conductance	147	148.9	147	148.7	101	101	80-121	0	5

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 18227117101A	Sample number(s): 9741286 UNSPK: 9741286									
Total Cyanide (water)	0.0520	0.200	0.257			103		72-114		
	mg/l	**mg/l**	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18221400102B	Sample number(s): 9741286 UNSPK: 9741286									
Chemical Oxygen Demand	611.2	2000	2467.4			93*		94-110		

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1973879
Reported: 08/20/2018 16:07

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 18225921203A	Sample number(s): 9741287 UNSPK: 9741286									
Total Dissolved Solids	4450	4000	9830			135*		62-127		
Batch number: 18225921203B	Sample number(s): 9741286 UNSPK: 9741286									
Total Dissolved Solids	4450	4000	9830			135*		62-127		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	mg/l	mg/l		
Batch number: 18227117101A	Sample number(s): 9741286 BKG: 9741286			
Total Cyanide (water)	0.0520	0.0580	11	20
	mg/l	mg/l		
Batch number: 18221145703B	Sample number(s): 9741286 BKG: 9741286			
Total Suspended Solids	7.00	6.00	15* (1)	5
Batch number: 18221400102B	Sample number(s): 9741286 BKG: 9741286			
Chemical Oxygen Demand	611.2	620.7	2 (1)	9
Batch number: 18225921203B	Sample number(s): 9741286 BKG: 9741286			
Total Dissolved Solids	4450	5350	18* (1)	5

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

20080 | 1973879 | 9741286-87

For CIL Unmixed Monthly Leachates

Brickhouse Environmental
Environmental Consultants & Engineers
515 S. Franklin St. West Chester, PA 19382 610 692 5770 Fax 610 692 8650

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #: of
Lab Quote #:

Project Name: DSWA (CIL)
Project Location:
Cherry Island Landfill
Project Number: 10-2671-20
Project Manager: Doug Schott
PO No: 294381
Bill To: Above
TAT [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X]-Y dschott@brickhouse-environmental.com
anicofardi@brickhouse-environmental.com

Container Type	P	gl	P	P	AV	P	gl	P	P	P	gl	P
Container Size	1 L	500 mL	250 mL	250 mL	40 mL	250 mL	250 mL	1000 mL	50 mL	250 mL	500 mL	500 mL
Preservative	None	H2SO4	HNO3	None	H3PO4	NaOH	H2SO4	H2SO4	None	H2SO4	HNO3/H2SO4	None

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	TSS	NH3-N	As, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Na, Zn	pH, Spec. Cond, Alkalinity, Phen-Alk	TOC	Cyanide (grab)	Total Phenols	NH3-N	Chloride, Nitrate, Sulfate	COD, TKN, TON	Sulfide	Diss. Silica, TDS, BOD
					Enter Number of Containers Per Sample or Field Results Below.											
CI-MPS Composite	8/7/18	1434	C	OL	1		1	1	2	1	1	1	1	1	1	2
~~EB/N2~~			~~G~~	~~OL~~	~~1~~	~~1~~	~~1~~	~~1~~	~~2~~	~~1~~	~~1~~		~~1~~	~~1~~	~~1~~	~~2~~
TB/N2	8/7/18	1435	G	OL	1	1	1	1	2	1	1		1	1	1	2

Receipt Information (Receiving Lab)
Cooler Temp: 19-4.0 Cooler #: 1-2
Therm. ID DT42-03

	Y	N
Custody Seals Present?		X
(if present) Seals Intact?		
Received on Ice?	X	
COC/Labels Agree?	X	
Cont. in Good Cond.?	X	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformance samples/containers shall be recorded on the COC

Ship. Carrier: UPS / FedEx / DHL / Other
Tracking #:

Sample/COC Comments/PID Response/Etc.

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	Anthony Mirand	8/7/18	1555	2	[signature]	8.7.18	1555
3	[signature]	8.7.18	1709	4			
5				6			
7				8			
9				10	[signature] ECLE	8/7/18	1709

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ] [ ]

State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE [ ]

Reportable to PADEP? Yes [ ]
PWSID #

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type-

* G=Grab, C=Composite **Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; Of=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 2/11

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 223493

Group Number(s): 1973879

Client: Brickhouse

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	08/07/2018 17:09
Number of Packages:	2	Number of Projects:	2
State/Province of Origin:	PA		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	13
Samples Intact:	Yes	Trip Blank Type:	See COC
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Simon Nies (25112) at 17:54 on 08/07/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-03	1.9	DT	Wet	Y	Bagged	N
2	DT42-03	4.0	DT	Wet	Y	Bagged	N

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report
R	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: September 12, 2018 13:54

Project: DSWA (CIL)

Account #: 20080
Group Number: 1983061
PO Number: 294388
Release Number: 10-2671-21
State of Sample Origin: DE

Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
LC-100 Grab Groundwater	09/04/2018 11:40	9784802
P-100A Grab Groundwater	09/04/2018 11:33	9784803
LC-101B Grab Groundwater	09/04/2018 14:42	9784804
P-101B Grab Groundwater	09/04/2018 14:33	9784805
UC-102B Grab Groundwater	09/04/2018 14:17	9784806
LC-102A Grab Groundwater	09/04/2018 14:02	9784807
P-102B Grab Groundwater	09/04/2018 14:10	9784808
LC-104A Grab Groundwater	09/04/2018 12:39	9784809
P-104B Grab Groundwater	09/04/2018 12:49	9784810
LC-116 Grab Groundwater	09/04/2018 13:07	9784811
P-116 Grab Groundwater	09/04/2018 13:15	9784812
EB-CI-GW-1 Water	09/04/2018 14:25	9784813
TB-CI-GW-1 Water	09/04/2018 14:43	9784814

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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Sample Description: **LC-100 Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 11:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784802
ELLE Group #: 1983061
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	2,270	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.38	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 02:34	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 02:34	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 02:34	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **P-100A Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 11:33

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784803
ELLE Group #: 1983061
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,220	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.6	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.43	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005105A	09/07/2018 03:48	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005105A	09/07/2018 03:48	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005105A	09/07/2018 03:48	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **LC-101B Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 14:42

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784804
ELLE Group #: 1983061
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,400	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.90	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005105A	09/07/2018 04:33	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005105A	09/07/2018 04:33	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005105A	09/07/2018 04:33	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **P-101B Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 14:33

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784805
ELLE Group #: 1983061
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	739	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.6	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	7.13	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 01:54	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 01:54	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 01:54	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **UC-102B Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 14:17

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784806
ELLE Group #: 1983061
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	2,010	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	7.13	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005105A	09/07/2018 04:07	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005105A	09/07/2018 04:07	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005105A	09/07/2018 04:07	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **LC-102A Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 14:02

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784807
ELLE Group #: 1983061
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	2,340	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.95	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005105A	09/07/2018 04:15	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005105A	09/07/2018 04:15	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005105A	09/07/2018 04:15	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **P-102B Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 14:10

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784808
ELLE Group #: 1983061
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,160	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	8.03	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 02:22	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 02:22	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 02:22	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **LC-104A Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 12:39

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784809
ELLE Group #: 1983061
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,540	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.6	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.83	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005105A	09/07/2018 04:26	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005105A	09/07/2018 04:26	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005105A	09/07/2018 04:26	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **P-104B Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 12:49

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784810
ELLE Group #: 1983061
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,090	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	7.48	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005105A	09/07/2018 03:56	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005105A	09/07/2018 03:56	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005105A	09/07/2018 03:56	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **LC-116 Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 13:07

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784811
ELLE Group #: 1983061
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,570	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.7	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.84	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005105A	09/07/2018 04:30	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005105A	09/07/2018 04:30	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005105A	09/07/2018 04:30	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **P-116 Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 13:15

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784812
ELLE Group #: 1983061
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,090	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	24.0	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.54	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005105A	09/07/2018 04:00	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005105A	09/07/2018 04:00	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005105A	09/07/2018 04:00	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **EB-CI-GW-1 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 14:25

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784813
ELLE Group #: 1983061
Matrix: Water

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	2.6 J	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	7.28	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 02:26	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 02:26	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 02:26	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

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Sample Description: **TB-CI-GW-1 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 14:43

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784814
ELLE Group #: 1983061
Matrix: Water

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	N.D.	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.38	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 02:30	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 02:30	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 02:30	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983061
Reported: 09/12/2018 13:54

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	umhos/cm	umhos/cm	umhos/cm
Batch number: 18249005104A	Sample number(s): 9784802,9784805,9784808,9784813-9784814		
Specific Conductance	N.D.	1.7	5.0
Batch number: 18249005105A	Sample number(s): 9784803-9784804,9784806-9784807,9784809-9784812		
Specific Conductance	N.D.	1.7	5.0

LCS/LCSD

Analysis Name	LCS Spike Added Std. Units	LCS Conc Std. Units	LCSD Spike Added Std. Units	LCSD Conc Std. Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 18249005104A	Sample number(s): 9784802,9784805,9784808,9784813-9784814								
pH	7.00	7.00			100		95-105		
Batch number: 18249005105A	Sample number(s): 9784803-9784804,9784806-9784807,9784809-9784812								
pH	7.00	7.00			100		95-105		
	umhos/cm	umhos/cm	umhos/cm	umhos/cm					
Batch number: 18249005104A	Sample number(s): 9784802,9784805,9784808,9784813-9784814								
Specific Conductance	147	148.1			101		80-121		
Batch number: 18249005105A	Sample number(s): 9784803-9784804,9784806-9784807,9784809-9784812								
Specific Conductance	147	148.3			101		80-121		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc Degrees C	DUP Conc Degrees C	DUP RPD	DUP RPD Max
Batch number: 18249005104A	Sample number(s): 9784802,9784805,9784808,9784813-9784814 BKG: 9784805			
Temperature of pH	23.56	23.68	1	5
Batch number: 18249005105A	Sample number(s): 9784803-9784804,9784806-9784807,9784809-9784812 BKG: 9784803			
Temperature of pH	23.57	23.68	0	5

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983061
Reported: 09/12/2018 13:54

Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	Std. Units	Std. Units		
Batch number: 18249005104A	Sample number(s): 9784802,9784805,9784808,9784813-9784814 BKG: 9784805			
pH	7.13	7.14	0	4
Batch number: 18249005105A	Sample number(s): 9784803-9784804,9784806-9784807,9784809-9784812 BKG: 9784803			
pH	6.43	6.43	0	4
	umhos/cm	umhos/cm		
Batch number: 18249005104A	Sample number(s): 9784802,9784805,9784808,9784813-9784814 BKG: 9784805			
Specific Conductance	739	740	0	5
Batch number: 18249005105A	Sample number(s): 9784803-9784804,9784806-9784807,9784809-9784812 BKG: 9784803			
Specific Conductance	1222	1211	1	5

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

A. 20080 G. 1903061 S. 9784802-14

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #: 1 of 1
Lab Quote #:

Project Name: DSWA (CIL)
Project Location: Cherry Island Landfill
Project Number: 10-2671-21
Project Manager: Doug Schott
PO No: 294388
Bill To: Above
TAT [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X] -Y dschott@brickhouse-environmental.com anicolardi@brickhouse-environmental.com

Container Type: P
Container Size: 250 ml
Preservative: None

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	pH, Specific Conductance	Enter Number of Containers Per Sample or Field Results Below.	Sample/COC Comments/PID Response/Etc.
LC-100	9/4/18	1140	G	GW	1		
P-100A	9/4/18	1133	G	GW	1		
LC-101B	9/4/18	1442	G	GW	1		
P-101B	9/4/18	1433	G	GW	1		
UC-102B	9/4/18	1417	G	GW	1		
LC-102A	9/4/18	1402	G	GW	1		
P-102B	9/4/18	1410	G	GW	1		
LC-104A	9/4/18	1239	G	GW	1		
P-104B	9/4/18	1249	G	GW	1		

Receipt Information (Receiving Lab)
Cooler Temp: 1.4-2.2 Cooler #:
Therm. ID: DT92-02

	Y	N
Custody Seals Present?		X
(If present) Seals Intact?		X
Received on Ice?	X	
COC/Labels Agree?	X	
Cont. In Good Cond.?	X	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other
Tracking #:

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/4/18	1605	2	9.4.18	1605
3	9.4.18	1734	4		
5			6		
7			8		
9			10	9.4.18	17:34

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]
Special Processing: USACE [ ] Navy [ ]
State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE
Reportable to PADEP? Yes [ ]
Sample Disposal: Lab [X] Special [ ]
PWSID #
EDDS: Format Type

*G=Grab; C=Composite **Matrix - AirAir; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 5/11

A. 20000 G. 1903041 S. 9784002-14

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #: 1 of 1
Lab Quote #:

Project Name: DSWA (CIL)
Project Location: Cherry Island Landfill
Project Number: 10-2671-21
Project Manager: Doug Schott
PO No: 294388
Bill To: Above
TAT [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X] Y dschott@brickhouse-environmental.com; anicolardi@brickhouse-environmental.com

Container Type: P
Container Size: 250 ml
Preservative: None

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	pH, Specific Conductance	Enter Number of Containers Per Sample or Field Results Below.	Sample/COC Comments/PID Response/Etc.
LC-116	9/4/18	1307	G	GW	1		
P-116	9/4/18	1315	G	GW	1		
P-201			G	GW	1		
P-202			G	GW	1		
EB-CI-GW-1	9/4/18	1425	G	GW	1		
TB-CI-GW-1	9/4/18	1443	G	GW	1		
EB-CI-GW-2			G	GW	1		
TB-CI-GW-2			G	GW	1		

Receipt Information (Receiving Lab)
Cooler Temp: 1.4-2.2 Cooler #:
Therm. ID DT42-02

	Y	N
Custody Seals Present?		X
(if present) Seals Intact?		X
Received on Ice?	X	
COC/Labels Agree?	X	
Cont. in Good Cond.?	X	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other
Tracking #:

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/4/18	1605	2	9.4.18	1605
3	9.4.18	1735	4		
5			6		
7			8		
9			10	9.4.18	17:34

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE
Special Processing: USACE [ ] Navy [ ]
State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE
Reportable to PADEP? Yes [ ]
Sample Disposal: Lab [X] Special [ ]
PWSID #
EDDS: Format Type

*G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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Sample Administration Receipt Documentation Log

Doc Log ID: 225975

Group Number(s):

Client: Brickhouse

1983061

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/04/2018 17:34
Number of Packages:	2	Number of Projects:	3

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	1
Samples Intact:	Yes	Trip Blank Type:	See Below
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): Unpreserved

Unpacked by Wanita Curry (14057) at 18:24 on 09/04/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-02	2.2	DT	Wet	Y	Bagged	N
2	DT42-02	1.4	DT	Wet	Y	Bagged	N

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: September 10, 2018 09:31

Project: DSWA (CIL)

Account #: 20080
Group Number: 1983663
PO Number: 294388
Release Number: 10-2671-21
State of Sample Origin: DE

Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
LC-105A Grab Groundwater	09/05/2018 14:06	9787548
P-105C Grab Groundwater	09/05/2018 14:14	9787549
UC-106 Grab Groundwater	09/05/2018 13:23	9787550
P-106 Grab Groundwater	09/05/2018 13:04	9787551
UC-108A Grab Groundwater	09/05/2018 11:44	9787552
P-108B Grab Groundwater	09/05/2018 11:51	9787553
LC-114A Grab Groundwater	09/05/2018 12:54	9787554
LC-115B Grab Groundwater	09/05/2018 11:58	9787555
LC-115B Dup Grab Groundwater	09/05/2018 11:59	9787556
P-201 Grab Groundwater	09/05/2018 13:54	9787557
P-202 Grab Groundwater	09/05/2018 14:26	9787558
EB-CI-GW-2 Grab Water	09/05/2018 13:25	9787559
TB-CI-GW-2 Water	09/05/2018 14:27	9787560

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **LC-105A Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 14:06

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787548
ELLE Group #: 1983663
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	2,400	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.95	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005105A	09/07/2018 04:11	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005105A	09/07/2018 04:11	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005105A	09/07/2018 04:11	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **P-105C Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 14:14

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787549
ELLE Group #: 1983663
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	999	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.7	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	8.48	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104B	09/07/2018 02:15	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104B	09/07/2018 02:15	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104B	09/07/2018 02:15	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **UC-106 Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 13:23

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787550
ELLE Group #: 1983663
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,700	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.7	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	7.18	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 02:38	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 02:38	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 02:38	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **P-106 Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 13:04

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787551
ELLE Group #: 1983663
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,140	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	7.26	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 02:45	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 02:45	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 02:45	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **UC-108A Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 11:44

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787552
ELLE Group #: 1983663
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,900	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.7	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	7.06	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 03:27	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 03:27	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 03:27	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **P-108B Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 11:51

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787553
ELLE Group #: 1983663
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	721	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	7.26	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 02:49	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 02:49	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 02:49	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **LC-114A Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 12:54

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787554
ELLE Group #: 1983663
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,530	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.9	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	7.65	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005105A	09/07/2018 04:03	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005105A	09/07/2018 04:03	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005105A	09/07/2018 04:03	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **LC-115B Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 11:58

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787555
ELLE Group #: 1983663
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,810	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.7	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.90	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 02:01	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 02:01	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 02:01	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **LC-115B Dup Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 11:59

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787556
ELLE Group #: 1983663
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,780	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.7	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.88	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 02:42	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 02:42	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 02:42	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **P-201 Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 13:54

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787557
ELLE Group #: 1983663
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	840	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	7.67	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 03:08	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 03:08	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 03:08	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **P-202 Grab Groundwater DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 14:26

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787558
ELLE Group #: 1983663
Matrix: Groundwater

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	1,120	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	7.47	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 03:31	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 03:31	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 03:31	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB-CI-GW-2 Grab Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 13:25

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787559
ELLE Group #: 1983663
Matrix: Water

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	2.6 J	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.6	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.82	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 03:00	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 03:00	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 03:00	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB-CI-GW-2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 14:27

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787560
ELLE Group #: 1983663
Matrix: Water

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	N.D.	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.7	0.010	0.010	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.13	0.01	0.01	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 03:04	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 03:04	Jeremy L Bolf	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 03:04	Jeremy L Bolf	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983663
Reported: 09/10/2018 09:31

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	umhos/cm	umhos/cm	umhos/cm
Batch number: 18249005104A	Sample number(s): 9787550-9787553,9787555-9787560		
Specific Conductance	N.D.	1.7	5.0
Batch number: 18249005104B	Sample number(s): 9787549		
Specific Conductance	N.D.	1.7	5.0
Batch number: 18249005105A	Sample number(s): 9787548,9787554		
Specific Conductance	N.D.	1.7	5.0

LCS/LCSD

Analysis Name	LCS Spike Added Std. Units	LCS Conc Std. Units	LCSD Spike Added Std. Units	LCSD Conc Std. Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 18249005104A	Sample number(s): 9787550-9787553,9787555-9787560								
pH	7.00	7.00			100		95-105		
Batch number: 18249005104B	Sample number(s): 9787549								
pH	7.00	7.00			100		95-105		
Batch number: 18249005105A	Sample number(s): 9787548,9787554								
pH	7.00	7.00			100		95-105		
	umhos/cm	umhos/cm	umhos/cm	umhos/cm					
Batch number: 18249005104A	Sample number(s): 9787550-9787553,9787555-9787560								
Specific Conductance	147	148.1			101		80-121		
Batch number: 18249005104B	Sample number(s): 9787549								
Specific Conductance	147	148.1			101		80-121		
Batch number: 18249005105A	Sample number(s): 9787548,9787554								
Specific Conductance	147	148.3			101		80-121		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983663
Reported: 09/10/2018 09:31

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	Degrees C	Degrees C		
Batch number: 18249005104B	Sample number(s): 9787549 BKG: 9787549			
Temperature of pH	23.65	23.75	0	5
	Std. Units	Std. Units		
Batch number: 18249005104B	Sample number(s): 9787549 BKG: 9787549			
pH	8.48	8.60	1	4
	umhos/cm	umhos/cm		
Batch number: 18249005104B	Sample number(s): 9787549 BKG: 9787549			
Specific Conductance	999	1000	0	5

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

20080 | 1983663 | 9787548-60

Brickhouse Environmental
Environmental Consultants & Engineers
515 South Franklin Street • West Chester, PA 19382 • 610.692.5770 • Fax: 610.692.8650

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #: | 1 of 1
Lab Quote #:

Project Name: DSWA (CIL)
Project Location: Cherry Island Landfill
Project Number: 10-2671-21
Project Manager: Doug Schott
PO No: 294388
Bill To: Above
TAT [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X] -Y dschott@brickhouse-environmental.com
anicolardi@brickhouse-environmental.com

Receipt Information (Receiving Lab)
Cooler Temp: 0.4-9.1 Cooler #: 1-1
Therm. ID DT146

	Y	N
Custody Seals Present?	✓	
(if present) Seals Intact?	✓	
Received on Ice?	✓	
COC/Labels Agree?	✓	
Cont. in Good Cond.?	✓	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other
Tracking #:

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Container Type: P; Container Size: 250 ml; Preservative: None — ANALYSES/METHOD REQUESTED: pH, Specific Conductance	Sample/COC Comments/PID Response/Etc.
					Enter Number of Containers Per Sample or Field Results Below.	
LC-105A	9/5/18	1406	G	GW	1	
P-105C	9/5/18	1414	G	GW	1	
UC-106	9/5/18	1323	G	GW	1	
P-106	9/5/18	1304	G	GW	1	
UC-108A	9/5/18	1144	G	GW	1	
P-108B	9/5/18	1151	G	GW	1	
LC-114A	9/6/18	1254	G	GW	1	
LC-115B	9/5/18	1158	G	GW	1	
LC-115B Dup	9/5/18	1159	G	GW	1	

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/6/18	1630	2	9.5.18	1630
3	9.5.18	1755	4		
5			6		
7			8		
9			10	9-5-18	1755

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]
Special Processing: USACE [ ] Navy [ ]
State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE
Reportable to PADEP? Yes [ ]
PWSID #
Sample Disposal: Lab [X] Special [ ]
EDDS: Formal Type-

* G=Grab; C=Composite ** Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 5/11

20080 | 1983663 | 9787548-60

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #:
Lab Quote #:
1 of 1

Project Name: DSWA (CIL)
Project Location: Cherry Island Landfill
Project Number: 10-2671-21
Project Manager: Doug Schott
PO No: 294388
Bill To: Above
TAT [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X]-Y dschott@brickhouse-environmental.com
anicolardi@brickhouse-environmental.com

Container Type: P
Container Size: 250 ml
Preservative: None

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Sample or Field Results Below.

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	pH, Specific Conductance	Sample/COC Comments/PID Response/Etc.
~~LG-116~~			G	GW	1	
~~P-116~~			G	GW	1	
P-201	9/5/18	1354	G	GW	1	
P-202	9/5/18	1426	G	GW	1	
~~EB-CI-GW-1~~			G	GW	1	
~~TB-CI-GW-1~~			G	GW	1	
EB-CI-GW-2	9/5/18	1325	G	GW	1	
TB-CI-GW-2	9/5/18	1427	G	GW	1	

Project Comments:

Logged By (Initials/date/time)
Reviewed By (Initials/date/time)

Receipt Information (Receiving Lab)
Cooler Temp: 0.49R Cooler #: 1-11
Therm. ID DT146

	Y	N
Custody Seals Present?	✓	
(if present) Seals Intact?	✓	
Received on Ice?	✓	
COC/Labels Agree?	✓	
Cont. in Good Cond.?	✓	
Correct Containers?	✓	
Correct Sample Volumes?	✓	
Correct Preservation?	✓	

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other
Tracking #:

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	9/5/18	1630	2	[signature]	9.5.18	1630
3	[signature]	9.5.18	1755	4			
5				6			
7				8			
9				10	[signature]	9-5-18	1755

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE

Reportable to PADEP? Yes [ ]
PWSID #

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type-

* G=Grab; C=Composite **Matrix - Air/Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 5/11

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Sample Administration Receipt Documentation Log

Doc Log ID: 226119

Group Number(s): 1983663

Client: Brickhouse Environmental

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/05/2018 17:55
Number of Packages:	11	Number of Projects:	4
State/Province of Origin:	PA		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	1
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 1-250 mL plastic bottle (unpre)

Unpacked by Melvin Sanchez (8943) at 20:19 on 09/05/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?	Samples Collected Same Day as Receipt?
1	DT146	2.9	DT	Wet	Y	Bagged	N	N
2	DT146	3.5	DT	Wet	Y	Bagged	N	N
3	DT146	2.4	DT	Wet	Y	Bagged	N	N
4	DT146	6.2	DT	Wet	Y	Bagged	Y	Y
5	DT146	0.7	DT	Wet	Y	Bagged	N	Y
6	DT146	9.1	DT	Wet	Y	Bagged	Y	Y
7	DT146	8.2	DT	Wet	Y	Bagged	Y	Y
8	DT146	1.5	DT	Wet	Y	Bagged	N	N
9	DT146	0.7	DT	Wet	Y	Bagged	N	N
10	DT146	0.4	DT	Wet	Y	Bagged	N	N
11	DT146	4.6	DT	Wet	Y	Bagged	N	N

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: October 04, 2018 08:41

Project: DSWA (CIL)

Account #: 20080
Group Number: 1983692
PO Number: 294388
Release Number: 10-2671-21
State of Sample Origin: DE

Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
DE Upstream (Low Tide) Grab Surface Water	09/05/2018 15:15	9787640
DE Downstream (Low Tide) Grab Surface Water	09/05/2018 14:50	9787641
DE Upstream (High Tide) Grab Surface Water	09/05/2018 09:05	9787642
DE Downstream (High Tide) Grab Surface Water	09/05/2018 08:45	9787643
Christina River (SW-5) Grab Surface Water	09/05/2018 10:35	9787644
Phase V Sed Basin (LP-8) Grab Surface Water	09/05/2018 10:55	9787645
EB-CI-SW Grab Water	09/05/2018 11:00	9787646
TB-CI-SW Water	09/05/2018 15:16	9787647

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

REVISED

Sample Description: DE Upstream (Low Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 15:15

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787640
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.2	1	1
10945	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10945	Toluene	108-88-3	N.D.	0.2	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**	**ug/l**	**ug/l**	
14239	Benzoic acid	65-85-0	N.D.	12	25	1
14239	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14239	a-Terpineol	98-55-5	N.D.	0.4	5	1
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and the target analyte(s) was not detected in the sample, the data is reported.					
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.080	0.40	1
10591	PCB-1221	11104-28-2	N.D. D1	0.080	0.40	1
10591	PCB-1232	11141-16-5	N.D. D1	0.16	0.40	1
10591	PCB-1242	53469-21-9	N.D. D1	0.080	0.40	1
10591	PCB-1248	12672-29-6	N.D. D1	0.080	0.40	1
10591	PCB-1254	11097-69-1	N.D. D1	0.080	0.40	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.40	1
10591	Total PCBs	1336-36-3	N.D.	0.080	0.40	1
GC Petroleum Hydrocarbons	**SW-846 8015D Rev.4, June 2003**		**ug/l**	**ug/l**	**ug/l**	
10600	TPH-DRO water C10-C28	n.a.	N.D.	38	110	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
01750	Calcium	7440-70-2	18.7	0.0330	1.00	1
07051	Chromium	7440-47-3	0.0070 J	0.0053	0.0300	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron	7439-89-6	3.95	0.0400	0.400	1
07055	Lead	7439-92-1	0.0103 J	0.0071	0.0300	1
01757	Magnesium	7439-95-4	7.03	0.0190	0.200	1
07058	Manganese	7439-96-5	0.281	0.0011	0.0400	1
07061	Nickel	7440-02-0	0.0066 J	0.0031	0.0200	1
01762	Potassium	7440-09-7	3.14	0.203	1.00	1
01767	Sodium	7440-23-5	19.8	0.326	2.00	1

*=This limit was used in the evaluation of the final result

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Sample Description: DE Upstream (Low Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 15:15

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787640
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1
07072	Zinc	7440-66-6	0.0310 J	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	37.0	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	1.7	0.25	0.50	5
00228	Sulfate	14808-79-8	18.0	1.5	5.0	5
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	N.D.	0.50	1.00	1
	EPA 365.1		**mg/l**	**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.13	0.050	0.10	1
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	N.D.	0.75	2.25	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
14858	Silica	7631-86-9	2.4	0.10	0.40	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	3.4	0.50	1.0	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	257	1.7	5.0	1
	EPA 1664A		**mg/l**	**mg/l**	**mg/l**	
08078	SGT-HEM (TPH)	n.a.	N.D.	1.4	5.0	1
	EPA 1664B		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.7	0.010	0.010	1
	EPA 350.2		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.75	2.25	3

*=This limit was used in the evaluation of the final result

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Sample Description: DE Upstream (Low Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 15:15

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787640
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 350.2**		**mg/l**	**mg/l**	**mg/l**	
	Reporting limits were raised due to limited sample volume.					
Wet Chemistry	**EPA 365.3**		**mg/l**	**mg/l**	**mg/l**	
00226	Orthophosphate as P	7723-14-0	0.061	0.0030	0.010	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	20.1 J	12.8	50.0	1
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	44.6	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2340 C-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12147	Total Hardness	471-34-1	73.8	6.0	20.0	2
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	83.0	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	92.5	5.00	15.0	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	7.71	0.01	0.01	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	2.62	2.00	2.00	1
	SW-846 7196A		**mg/l**	**mg/l**	**mg/l**	
00276	Hexavalent Chromium	18540-29-9	N.D.	0.010	0.030	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX by 8260 in water	SW-846 8260B	1	D182561AA	09/13/2018 13:24	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D182561AA	09/13/2018 13:24	Daniel H Heller	1
14239	Select SVOCs	SW-846 8270C	1	18251WAF026	09/14/2018 15:00	Kira N Beck	1
10464	BNA Water Extraction (App IX)	SW-846 3510C	1	18251WAF026	09/11/2018 18:00	Mathias Okpo	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182500056A	09/12/2018 01:27	Kirby B Turner	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182500056A	09/10/2018 22:30	Karen L Beyer	1
10600	TPH-DRO water C10-C28	SW-846 8015D Rev.4, June 2003	1	182540011A	09/14/2018 08:42	Amy Lehr	1
11164	DRO by 8015 Upd IV Water Ext	SW-846 3510C	1	182540011A	09/12/2018 17:30	Osvaldo R Sanchez	1
07035	Arsenic	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Upstream (Low Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 15:15

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787640
ELLE Group #: 1983692
Matrix: Surface Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07049	Cadmium	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
01750	Calcium	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
01757	Magnesium	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
01762	Potassium	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
01767	Sodium	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	182501063501	09/10/2018 17:54	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	182500571301	09/10/2018 11:17	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182501063501	09/10/2018 05:55	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182500571301	09/10/2018 06:40	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	18249520106B	09/07/2018 02:44	Ashlynn M Cornelius	20
00368	Nitrate Nitrogen	EPA 300.0	1	18249520106B	09/07/2018 02:26	Ashlynn M Cornelius	5
00228	Sulfate	EPA 300.0	1	18249520106B	09/07/2018 02:26	Ashlynn M Cornelius	5
00217	Kjeldahl Nitrogen	EPA 351.2	1	18250108101B	09/10/2018 18:57	Gregory Baldree	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	18249109102A	09/07/2018 13:01	Brianna A Poole	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18250108101B	09/10/2018 18:57	Gregory Baldree	1
14858	Silica	SM 4500-SiO2 C-2011	1	18274129101A	10/01/2018 14:55	Joseph E McKenzie	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18250667606B	09/08/2018 10:16	Drew M Gerhart	1
14088	Phenols (water)	SW-846 9066	1	18257126101A	09/14/2018 14:06	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18250108101B	09/07/2018 08:40	Nancy J Shoop	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	18249109102A	09/06/2018 19:30	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18249005103A	09/07/2018 00:48	Jeremy L Bolf	1
08078	SGT-HEM (TPH)	EPA 1664A	1	18253807801A	09/10/2018 09:45	Yolunder Y Bunch	1
08079	HEM (oil & grease)	EPA 1664B	1	18253807901A	09/10/2018 09:36	Yolunder Y Bunch	1
12151	Temperature of pH	EPA 170.1	1	18249005103A	09/07/2018 00:48	Jeremy L Bolf	1
00221	Ammonia Nitrogen	EPA 350.2	2	18257022101A	09/14/2018 08:45	Michelle L Lalli	3
00226	Orthophosphate as P	EPA 365.3	1	18249022601A	09/06/2018 23:15	Hannah M Royer	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18249400103A	09/06/2018 08:19	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18249005103A	09/07/2018 00:48	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18249005103A	09/07/2018 00:48	Jeremy L Bolf	1
12147	Total Hardness	SM 2340 C-2011	1	18253003102A	09/10/2018 17:23	Susan A Engle	2
00212	Total Dissolved Solids	SM 2540 C-2011	2	18250921203A	09/07/2018 14:51	Alexa Sanchez	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18250145703A	09/07/2018 17:02	Alexa Sanchez	1
12152	pH	SM 4500-H+ B-2011	1	18249005103A	09/07/2018 00:48	Jeremy L Bolf	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18250141081A	09/07/2018 11:32	Gaurang A Pandya	1
00276	Hexavalent Chromium	SW-846 7196A	1	18248027602A	09/05/2018 23:35	Hannah M Royer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Downstream (Low Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 14:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787641
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.2	1	1
10945	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10945	Toluene	108-88-3	N.D.	0.2	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**	**ug/l**	**ug/l**	
14239	Benzoic acid	65-85-0	N.D.	12	26	1
14239	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14239	a-Terpineol	98-55-5	N.D.	0.4	5	1
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and the target analyte(s) was not detected in the sample, the data is reported.					
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.081	0.41	1
10591	PCB-1221	11104-28-2	N.D. D1	0.081	0.41	1
10591	PCB-1232	11141-16-5	N.D. D1	0.16	0.41	1
10591	PCB-1242	53469-21-9	N.D. D1	0.081	0.41	1
10591	PCB-1248	12672-29-6	N.D. D1	0.081	0.41	1
10591	PCB-1254	11097-69-1	N.D. D1	0.081	0.41	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.41	1
10591	Total PCBs	1336-36-3	N.D.	0.081	0.41	1
GC Petroleum Hydrocarbons	**SW-846 8015D Rev.4, June 2003**		**ug/l**	**ug/l**	**ug/l**	
10600	TPH-DRO water C10-C28	n.a.	N.D.	34	94	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
01750	Calcium	7440-70-2	18.5	0.0330	1.00	1
07051	Chromium	7440-47-3	0.0098 J	0.0053	0.0300	1
07053	Copper	7440-50-8	0.0113 J	0.0062	0.0400	1
01754	Iron	7439-89-6	5.81	0.0400	0.400	1
07055	Lead	7439-92-1	0.0102 J	0.0071	0.0300	1
01757	Magnesium	7439-95-4	7.36	0.0190	0.200	1
07058	Manganese	7439-96-5	0.341	0.0011	0.0400	1
07061	Nickel	7440-02-0	0.0074 J	0.0031	0.0200	1
01762	Potassium	7440-09-7	3.44	0.203	1.00	1
01767	Sodium	7440-23-5	19.9	0.326	2.00	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Downstream (Low Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 14:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787641
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1
07072	Zinc	7440-66-6	0.0391 J	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	35.4	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	1.7	0.25	0.50	5
00228	Sulfate	14808-79-8	18.1	1.5	5.0	5
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	1.03	0.50	1.00	1
	EPA 365.1		**mg/l**	**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.22	0.050	0.10	1
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	1.03 J	0.75	2.25	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	3.4	0.50	1.0	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	255	1.7	5.0	1
	EPA 1664A		**mg/l**	**mg/l**	**mg/l**	
08078	SGT-HEM (TPH)	n.a.	N.D.	1.4	5.0	1
	EPA 1664B		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.9	0.010	0.010	1
	EPA 350.2		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.75	2.25	3
	Reporting limits were raised due to limited sample volume.					
	EPA 365.3		**mg/l**	**mg/l**	**mg/l**	

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Downstream (Low Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 14:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787641
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 365.3**		**mg/l**	**mg/l**	**mg/l**	
00226	Orthophosphate as P	7723-14-0	0.060	0.0030	0.010	1
Wet Chemistry	**EPA 410.4**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	30.6 J	12.8	50.0	1
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	44.5	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2340 C-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12147	Total Hardness	471-34-1	74.0	6.0	20.0	2
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	143	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	121	5.00	15.0	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	7.70	0.01	0.01	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)	7631-86-9	3.8	0.50	2.0	5
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	2.79	2.00	2.00	1
	SW-846 7196A		**mg/l**	**mg/l**	**mg/l**	
00276	Hexavalent Chromium	18540-29-9	N.D.	0.010	0.030	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX by 8260 in water	SW-846 8260B	1	D182561AA	09/13/2018 13:46	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D182561AA	09/13/2018 13:46	Daniel H Heller	1
14239	Select SVOCs	SW-846 8270C	1	18251WAF026	09/14/2018 15:28	Kira N Beck	1
10464	BNA Water Extraction (App IX)	SW-846 3510C	1	18251WAF026	09/11/2018 18:00	Mathias Okpo	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182500056A	09/12/2018 01:38	Kirby B Turner	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182500056A	09/10/2018 22:30	Karen L Beyer	1
10600	TPH-DRO water C10-C28	SW-846 8015D Rev.4, June 2003	1	182540011A	09/14/2018 09:24	Amy Lehr	1
11164	DRO by 8015 Upd IV Water Ext	SW-846 3510C	1	182540011A	09/12/2018 17:30	Osvaldo R Sanchez	1
07035	Arsenic	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Downstream (Low Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 14:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787641
ELLE Group #: 1983692
Matrix: Surface Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07049	Cadmium	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
01750	Calcium	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
01757	Magnesium	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
01762	Potassium	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
01767	Sodium	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	182501063501	09/10/2018 17:24	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	182500571301	09/10/2018 11:19	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182501063501	09/10/2018 05:55	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182500571301	09/10/2018 06:40	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	18249520106B	09/07/2018 02:08	Ashlynn M Cornelius	20
00368	Nitrate Nitrogen	EPA 300.0	1	18249520106B	09/07/2018 01:49	Ashlynn M Cornelius	5
00228	Sulfate	EPA 300.0	1	18249520106B	09/07/2018 01:49	Ashlynn M Cornelius	5
00217	Kjeldahl Nitrogen	EPA 351.2	1	18250108101B	09/10/2018 16:01	Gregory Baldree	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	18249109102B	09/07/2018 13:04	Brianna A Poole	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18250108101B	09/10/2018 16:01	Gregory Baldree	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18250667606B	09/08/2018 10:32	Drew M Gerhart	1
14088	Phenols (water)	SW-846 9066	1	18257126101A	09/14/2018 14:15	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18250108101B	09/07/2018 08:40	Nancy J Shoop	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	18249109102B	09/06/2018 19:30	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18249005103A	09/07/2018 00:55	Jeremy L Bolf	1
08078	SGT-HEM (TPH)	EPA 1664A	1	18253807801A	09/10/2018 09:45	Yolunder Y Bunch	1
08079	HEM (oil & grease)	EPA 1664B	1	18253807901A	09/10/2018 09:36	Yolunder Y Bunch	1
12151	Temperature of pH	EPA 170.1	1	18249005103A	09/07/2018 00:55	Jeremy L Bolf	1
00221	Ammonia Nitrogen	EPA 350.2	2	18257022101A	09/14/2018 08:45	Michelle L Lalli	3
00226	Orthophosphate as P	EPA 365.3	1	18249022601A	09/06/2018 23:15	Hannah M Royer	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18249400103A	09/06/2018 08:19	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18249005103A	09/07/2018 00:55	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18249005103A	09/07/2018 00:55	Jeremy L Bolf	1
12147	Total Hardness	SM 2340 C-2011	1	18253003102A	09/10/2018 17:30	Susan A Engle	2
00212	Total Dissolved Solids	SM 2540 C-2011	1	18249921202A	09/06/2018 15:37	Amy L Hankins	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18250145703A	09/07/2018 17:02	Alexa Sanchez	1
12152	pH	SM 4500-H+ B-2011	1	18249005103A	09/07/2018 00:55	Jeremy L Bolf	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18256055901A	09/13/2018 10:00	Kevin Litwa	5
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18250141081A	09/07/2018 11:32	Gaurang A Pandya	1
00276	Hexavalent Chromium	SW-846 7196A	1	18248027602A	09/05/2018 23:35	Hannah M Royer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Upstream (High Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:05

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787642
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.2	1	1
10945	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10945	Toluene	108-88-3	N.D.	0.2	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**	**ug/l**	**ug/l**	
14239	Benzoic acid	65-85-0	N.D.	13	26	1
14239	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14239	a-Terpineol	98-55-5	N.D.	0.4	5	1
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and the target analyte(s) was not detected in the sample, the data is reported.					
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.091	0.45	1
10591	PCB-1221	11104-28-2	N.D. D1	0.091	0.45	1
10591	PCB-1232	11141-16-5	N.D. D1	0.18	0.45	1
10591	PCB-1242	53469-21-9	N.D. D1	0.091	0.45	1
10591	PCB-1248	12672-29-6	N.D. D1	0.091	0.45	1
10591	PCB-1254	11097-69-1	N.D. D1	0.091	0.45	1
10591	PCB-1260	11096-82-5	N.D. D1	0.14	0.45	1
10591	Total PCBs	1336-36-3	N.D.	0.091	0.45	1
GC Petroleum Hydrocarbons	**SW-846 8015D Rev.4, June 2003**		**ug/l**	**ug/l**	**ug/l**	
10600	TPH-DRO water C10-C28	n.a.	N.D.	37	100	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
01750	Calcium	7440-70-2	17.1	0.0330	1.00	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron	7439-89-6	0.365 J	0.0400	0.400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium	7439-95-4	6.05	0.0190	0.200	1
07058	Manganese	7439-96-5	0.0238 J	0.0011	0.0400	1
07061	Nickel	7440-02-0	N.D.	0.0031	0.0200	1
01762	Potassium	7440-09-7	2.35	0.203	1.00	1
01767	Sodium	7440-23-5	19.4	0.326	2.00	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Upstream (High Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:05

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787642
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1
07072	Zinc	7440-66-6	0.0052 J	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	35.6	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	1.6	0.25	0.50	5
00228	Sulfate	14808-79-8	16.7	1.5	5.0	5
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	N.D.	0.50	1.00	1
	EPA 365.1		**mg/l**	**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.050	0.10	1
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	N.D.	0.75	2.25	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	3.5	0.50	1.0	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	249	1.7	5.0	1
	EPA 1664A		**mg/l**	**mg/l**	**mg/l**	
08078	SGT-HEM (TPH)	n.a.	N.D.	1.4	5.0	1
	EPA 1664B		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.6	0.010	0.010	1
	EPA 350.2		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.75	2.25	3
	Reporting limits were raised due to limited sample volume.					
	EPA 365.3		**mg/l**	**mg/l**	**mg/l**	

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Upstream (High Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:05

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787642
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 365.3**		**mg/l**	**mg/l**	**mg/l**	
00226	Orthophosphate as P		7723-14-0	0.056	0.0030	0.010	1
Wet Chemistry		**EPA 410.4**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand		n.a.	N.D.	12.8	50.0	1
		SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5		n.a.	45.6	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3		n.a.	N.D.	1.7	5.0	1
		SM 2340 C-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12147	Total Hardness		471-34-1	66.7	3.0	10.0	1
		SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids		n.a.	139	20.0	60.0	1
		SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids		n.a.	9.40	1.00	3.00	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	8.02	0.01	0.01	1
		SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)		7631-86-9	3.9	0.50	2.0	5
		SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD		n.a.	4.85	2.00	2.00	1
		SW-846 7196A		**mg/l**	**mg/l**	**mg/l**	
00276	Hexavalent Chromium		18540-29-9	N.D.	0.010	0.030	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX by 8260 in water	SW-846 8260B	1	D182561AA	09/13/2018 14:59	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D182561AA	09/13/2018 14:59	Daniel H Heller	1
14239	Select SVOCs	SW-846 8270C	1	18251WAF026	09/14/2018 15:56	Kira N Beck	1
10464	BNA Water Extraction (App IX)	SW-846 3510C	1	18251WAF026	09/11/2018 18:00	Mathias Okpo	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182500056A	09/12/2018 01:49	Kirby B Turner	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182500056A	09/10/2018 22:30	Karen L Beyer	1
10600	TPH-DRO water C10-C28	SW-846 8015D Rev.4, June 2003	1	182540011A	09/14/2018 07:38	Amy Lehr	1
11164	DRO by 8015 Upd IV Water Ext	SW-846 3510C	1	182540011A	09/12/2018 17:30	Osvaldo R Sanchez	1
07035	Arsenic	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Upstream (High Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:05

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787642
ELLE Group #: 1983692
Matrix: Surface Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07049	Cadmium	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
01750	Calcium	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
01757	Magnesium	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
01762	Potassium	SW-846 6010C	1	182501063501	09/12/2018 18:47	Elaine F Stoltzfus	1
01767	Sodium	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	182501063501	09/10/2018 17:57	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	182500571301	09/10/2018 11:21	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182501063501	09/10/2018 05:55	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182500571301	09/10/2018 06:40	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	18249520106A	09/06/2018 17:18	Ashlynn M Cornelius	20
00368	Nitrate Nitrogen	EPA 300.0	1	18249520106A	09/06/2018 17:00	Ashlynn M Cornelius	5
00228	Sulfate	EPA 300.0	1	18249520106A	09/06/2018 17:00	Ashlynn M Cornelius	5
00217	Kjeldahl Nitrogen	EPA 351.2	1	18250108101B	09/10/2018 16:00	Gregory Baldree	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	18249109102A	09/07/2018 13:04	Brianna A Poole	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18250108101B	09/10/2018 16:00	Gregory Baldree	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18250667606B	09/08/2018 10:47	Drew M Gerhart	1
14088	Phenols (water)	SW-846 9066	1	18257126101A	09/14/2018 14:18	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18250108101B	09/07/2018 08:40	Nancy J Shoop	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	18249109102A	09/06/2018 19:30	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18249005103A	09/06/2018 23:47	Jeremy L Bolf	1
08078	SGT-HEM (TPH)	EPA 1664A	1	18253807801A	09/10/2018 09:45	Yolunder Y Bunch	1
08079	HEM (oil & grease)	EPA 1664B	1	18253807901A	09/10/2018 09:36	Yolunder Y Bunch	1
12151	Temperature of pH	EPA 170.1	1	18249005103A	09/06/2018 23:47	Jeremy L Bolf	1
00221	Ammonia Nitrogen	EPA 350.2	2	18257022101A	09/14/2018 08:45	Michelle L Lalli	3
00226	Orthophosphate as P	EPA 365.3	1	18249022601A	09/06/2018 23:15	Hannah M Royer	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18249400103A	09/06/2018 08:19	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18249005103A	09/06/2018 23:47	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18249005103A	09/06/2018 23:47	Jeremy L Bolf	1
12147	Total Hardness	SM 2340 C-2011	1	18253003102A	09/10/2018 17:39	Susan A Engle	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18249921202A	09/06/2018 15:37	Amy L Hankins	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18250145702A	09/07/2018 15:24	Angelica Cintron	1
12152	pH	SM 4500-H+ B-2011	1	18249005103A	09/06/2018 23:47	Jeremy L Bolf	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18256055901A	09/13/2018 10:00	Kevin Litwa	5
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18249141083A	09/06/2018 21:25	Joseph Knisely	1
00276	Hexavalent Chromium	SW-846 7196A	1	18248027602A	09/05/2018 23:35	Hannah M Royer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Downstream (High Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 08:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787643
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.2	1	1
10945	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10945	Toluene	108-88-3	N.D.	0.2	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**	**ug/l**	**ug/l**	
14239	Benzoic acid	65-85-0	20 J	12	25	1
14239	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14239	a-Terpineol	98-55-5	N.D.	0.4	5	1
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and the target analyte(s) was not detected in the sample, the data is reported.					
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.082	0.41	1
10591	PCB-1221	11104-28-2	N.D. D1	0.082	0.41	1
10591	PCB-1232	11141-16-5	N.D. D1	0.16	0.41	1
10591	PCB-1242	53469-21-9	N.D. D1	0.082	0.41	1
10591	PCB-1248	12672-29-6	N.D. D1	0.082	0.41	1
10591	PCB-1254	11097-69-1	N.D. D1	0.082	0.41	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.41	1
10591	Total PCBs	1336-36-3	N.D.	0.082	0.41	1
GC Petroleum Hydrocarbons	**SW-846 8015D Rev.4, June 2003**		**ug/l**	**ug/l**	**ug/l**	
10600	TPH-DRO water C10-C28	n.a.	N.D.	36	100	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
01750	Calcium	7440-70-2	17.2	0.0330	1.00	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron	7439-89-6	0.496	0.0400	0.400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium	7439-95-4	6.26	0.0190	0.200	1
07058	Manganese	7439-96-5	0.0282 J	0.0011	0.0400	1
07061	Nickel	7440-02-0	N.D.	0.0031	0.0200	1
01762	Potassium	7440-09-7	2.50	0.203	1.00	1
01767	Sodium	7440-23-5	21.2	0.326	2.00	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Downstream (High Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 08:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787643
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1
07072	Zinc	7440-66-6	0.0064 J	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	38.1	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	1.6	0.25	0.50	5
00228	Sulfate	14808-79-8	16.8	1.5	5.0	5
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	N.D.	0.50	1.00	1
	EPA 365.1		**mg/l**	**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.050	0.10	1
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	N.D.	0.75	2.25	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	3.5	0.50	1.0	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	258	1.7	5.0	1
	EPA 1664A		**mg/l**	**mg/l**	**mg/l**	
08078	SGT-HEM (TPH)	n.a.	N.D.	1.4	5.0	1
	EPA 1664B		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.8	0.010	0.010	1
	EPA 350.2		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.75	2.25	3
	Reporting limits were raised due to limited sample volume.					
	EPA 365.3		**mg/l**	**mg/l**	**mg/l**	

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Downstream (High Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 08:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787643
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 365.3**		**mg/l**	**mg/l**	**mg/l**	
00226	Orthophosphate as P	7723-14-0	0.056	0.0030	0.010	1
Wet Chemistry	**EPA 410.4**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	43.3	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2340 C-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12147	Total Hardness	471-34-1	65.9	3.0	10.0	1
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	141	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	10.3	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	7.82	0.01	0.01	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)	7631-86-9	4.1	0.50	2.0	5
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	2.06	2.00	2.00	1
	SW-846 7196A		**mg/l**	**mg/l**	**mg/l**	
00276	Hexavalent Chromium	18540-29-9	N.D.	0.010	0.030	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX by 8260 in water	SW-846 8260B	1	D182561AA	09/13/2018 15:23	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D182561AA	09/13/2018 15:23	Daniel H Heller	1
14239	Select SVOCs	SW-846 8270C	1	18251WAF026	09/14/2018 16:24	Kira N Beck	1
10464	BNA Water Extraction (App IX)	SW-846 3510C	1	18251WAF026	09/11/2018 18:00	Mathias Okpo	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182500056A	09/12/2018 02:00	Kirby B Turner	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182500056A	09/10/2018 22:30	Karen L Beyer	1
10600	TPH-DRO water C10-C28	SW-846 8015D Rev.4, June 2003	1	182540011A	09/14/2018 09:03	Amy Lehr	1
11164	DRO by 8015 Upd IV Water Ext	SW-846 3510C	1	182540011A	09/12/2018 17:30	Osvaldo R Sanchez	1
07035	Arsenic	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: DE Downstream (High Tide) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 08:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787643
ELLE Group #: 1983692
Matrix: Surface Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07049	Cadmium	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
01750	Calcium	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
01757	Magnesium	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
01762	Potassium	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
01767	Sodium	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	182501063501	09/10/2018 17:59	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	182500571301	09/10/2018 11:23	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182501063501	09/10/2018 05:55	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182500571301	09/10/2018 06:40	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	18249520106A	09/06/2018 16:42	Ashlynn M Cornelius	20
00368	Nitrate Nitrogen	EPA 300.0	1	18249520106A	09/06/2018 16:23	Ashlynn M Cornelius	5
00228	Sulfate	EPA 300.0	1	18249520106A	09/06/2018 16:23	Ashlynn M Cornelius	5
00217	Kjeldahl Nitrogen	EPA 351.2	1	18250108101B	09/10/2018 15:57	Gregory Baldree	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	18249109102A	09/07/2018 13:00	Brianna A Poole	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18250108101B	09/10/2018 15:57	Gregory Baldree	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18250667606B	09/08/2018 11:02	Drew M Gerhart	1
14088	Phenols (water)	SW-846 9066	1	18257126101A	09/14/2018 14:21	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18250108101B	09/07/2018 08:40	Nancy J Shoop	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	18249109102A	09/06/2018 19:30	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18249005103B	09/07/2018 00:00	Jeremy L Bolf	1
08078	SGT-HEM (TPH)	EPA 1664A	1	18253807801A	09/10/2018 09:46	Yolunder Y Bunch	1
08079	HEM (oil & grease)	EPA 1664B	1	18253807901A	09/10/2018 09:36	Yolunder Y Bunch	1
12151	Temperature of pH	EPA 170.1	1	18249005103B	09/07/2018 00:00	Jeremy L Bolf	1
00221	Ammonia Nitrogen	EPA 350.2	2	18257022101A	09/14/2018 08:45	Michelle L Lalli	3
00226	Orthophosphate as P	EPA 365.3	1	18249022601A	09/06/2018 23:15	Hannah M Royer	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18249400103B	09/06/2018 08:19	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18249005103B	09/07/2018 00:00	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18249005103B	09/07/2018 00:00	Jeremy L Bolf	1
12147	Total Hardness	SM 2340 C-2011	2	18253003102B	09/10/2018 18:29	Susan A Engle	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18249921202A	09/06/2018 15:37	Amy L Hankins	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18250145702A	09/07/2018 15:24	Angelica Cintron	1
12152	pH	SM 4500-H+ B-2011	1	18249005103B	09/07/2018 00:00	Jeremy L Bolf	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18256055901A	09/13/2018 10:00	Kevin Litwa	5
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18249141082A	09/06/2018 11:37	Gaurang A Pandya	1
00276	Hexavalent Chromium	SW-846 7196A	1	18248027602A	09/05/2018 23:35	Hannah M Royer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: Christina River (SW-5) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 10:35

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787644
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.2	1	1
10945	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10945	Toluene	108-88-3	N.D.	0.2	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**	**ug/l**	**ug/l**	
14239	Benzoic acid	65-85-0	N.D.	12	25	1
14239	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14239	a-Terpineol	98-55-5	N.D.	0.4	5	1
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and the target analyte(s) was not detected in the sample, the data is reported.					
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.082	0.41	1
10591	PCB-1221	11104-28-2	N.D. D1	0.082	0.41	1
10591	PCB-1232	11141-16-5	N.D. D1	0.16	0.41	1
10591	PCB-1242	53469-21-9	N.D. D1	0.082	0.41	1
10591	PCB-1248	12672-29-6	N.D. D1	0.082	0.41	1
10591	PCB-1254	11097-69-1	N.D. D1	0.082	0.41	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.41	1
10591	Total PCBs	1336-36-3	N.D.	0.082	0.41	1
GC Petroleum Hydrocarbons	**SW-846 8015D Rev.4, June 2003**		**ug/l**	**ug/l**	**ug/l**	
10600	TPH-DRO water C10-C28	n.a.	N.D.	36	99	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
01750	Calcium	7440-70-2	17.5	0.0330	1.00	1
07051	Chromium	7440-47-3	0.0053 J	0.0053	0.0300	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron	7439-89-6	2.29	0.0400	0.400	1
07055	Lead	7439-92-1	0.0085 J	0.0071	0.0300	1
01757	Magnesium	7439-95-4	6.88	0.0190	0.200	1
07058	Manganese	7439-96-5	0.123	0.0011	0.0400	1
07061	Nickel	7440-02-0	0.0034 J	0.0031	0.0200	1
01762	Potassium	7440-09-7	3.00	0.203	1.00	1
01767	Sodium	7440-23-5	24.3	0.326	2.00	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: Christina River (SW-5) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 10:35

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787644
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1
07072	Zinc	7440-66-6	0.0269 J	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	43.4	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	1.5	0.25	0.50	5
00228	Sulfate	14808-79-8	17.1	1.5	5.0	5
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	N.D.	0.50	1.00	1
	EPA 365.1		**mg/l**	**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.077 J	0.050	0.10	1
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	N.D.	0.50	1.00	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	3.7	0.50	1.0	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	274	1.7	5.0	1
	EPA 1664A		**mg/l**	**mg/l**	**mg/l**	
08078	SGT-HEM (TPH)	n.a.	N.D.	1.4	5.0	1
	EPA 1664B		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	24.0	0.010	0.010	1
	EPA 350.2		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.25	0.75	1
	EPA 365.3		**mg/l**	**mg/l**	**mg/l**	
00226	Orthophosphate as P	7723-14-0	0.052	0.0030	0.010	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: Christina River (SW-5) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 10:35

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787644
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 410.4**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	13.7 J	12.8	50.0	1
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	40.9	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2340 C-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12147	Total Hardness	471-34-1	69.7	3.0	10.0	1
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	152	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	112	3.00	9.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	7.83	0.01	0.01	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)	7631-86-9	3.5	0.50	2.0	5
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	4.68	2.00	2.00	1
	SW-846 7196A		**mg/l**	**mg/l**	**mg/l**	
00276	Hexavalent Chromium	18540-29-9	N.D.	0.010	0.030	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX by 8260 in water	SW-846 8260B	1	D182561AA	09/13/2018 15:47	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D182561AA	09/13/2018 15:47	Daniel H Heller	1
14239	Select SVOCs	SW-846 8270C	1	18251WAF026	09/14/2018 16:52	Kira N Beck	1
10464	BNA Water Extraction (App IX)	SW-846 3510C	1	18251WAF026	09/11/2018 18:00	Mathias Okpo	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182500056A	09/12/2018 02:12	Kirby B Turner	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182500056A	09/10/2018 22:30	Karen L Beyer	1
10600	TPH-DRO water C10-C28	SW-846 8015D Rev.4, June 2003	1	182540011A	09/14/2018 09:46	Amy Lehr	1
11164	DRO by 8015 Upd IV Water Ext	SW-846 3510C	1	182540011A	09/12/2018 17:30	Osvaldo R Sanchez	1
07035	Arsenic	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
07049	Cadmium	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
01750	Calcium	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: **Christina River (SW-5) Grab Surface Water DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 10:35

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787644
ELLE Group #: 1983692
Matrix: Surface Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
01757	Magnesium	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
01762	Potassium	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
01767	Sodium	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	182501063501	09/10/2018 18:02	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	182500571301	09/10/2018 11:25	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182501063501	09/10/2018 05:55	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182500571301	09/10/2018 06:40	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	18249520106A	09/06/2018 19:08	Ashlynn M Cornelius	20
00368	Nitrate Nitrogen	EPA 300.0	1	18249520106A	09/06/2018 18:49	Ashlynn M Cornelius	5
00228	Sulfate	EPA 300.0	1	18249520106A	09/06/2018 18:49	Ashlynn M Cornelius	5
00217	Kjeldahl Nitrogen	EPA 351.2	1	18250108101B	09/10/2018 15:58	Gregory Baldree	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	18249109102A	09/07/2018 13:00	Brianna A Poole	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18250108101B	09/10/2018 15:58	Gregory Baldree	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18250667606B	09/08/2018 11:18	Drew M Gerhart	1
14088	Phenols (water)	SW-846 9066	1	18257126101A	09/14/2018 14:24	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18250108101B	09/07/2018 08:40	Nancy J Shoop	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	18249109102A	09/06/2018 19:30	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18249005103A	09/07/2018 01:01	Jeremy L Bolf	1
08078	SGT-HEM (TPH)	EPA 1664A	1	18253807801A	09/10/2018 09:46	Yolunder Y Bunch	1
08079	HEM (oil & grease)	EPA 1664B	1	18253807901A	09/10/2018 09:36	Yolunder Y Bunch	1
12151	Temperature of pH	EPA 170.1	1	18249005103A	09/07/2018 01:01	Jeremy L Bolf	1
00221	Ammonia Nitrogen	EPA 350.2	1	18257022101A	09/14/2018 08:45	Michelle L Lalli	1
00226	Orthophosphate as P	EPA 365.3	1	18249022601A	09/06/2018 23:15	Hannah M Royer	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18249400103A	09/06/2018 08:19	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18249005103A	09/07/2018 01:01	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18249005103A	09/07/2018 01:01	Jeremy L Bolf	1
12147	Total Hardness	SM 2340 C-2011	1	18253003102A	09/10/2018 18:46	Susan A Engle	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18249921202A	09/06/2018 15:37	Amy L Hankins	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18250145703A	09/07/2018 17:02	Alexa Sanchez	1
12152	pH	SM 4500-H+ B-2011	1	18249005103A	09/07/2018 01:01	Jeremy L Bolf	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18256055901A	09/13/2018 10:00	Kevin Litwa	5
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18249141084A	09/06/2018 21:25	Joseph Knisely	1
00276	Hexavalent Chromium	SW-846 7196A	1	18248027602A	09/05/2018 23:35	Hannah M Royer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: Phase V Sed Basin (LP-8) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 10:55

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787645
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.2	1	1
10945	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10945	Toluene	108-88-3	N.D.	0.2	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**	**ug/l**	**ug/l**	
14239	Benzoic acid	65-85-0	N.D.	12	25	1
14239	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14239	a-Terpineol	98-55-5	N.D.	0.4	5	1
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and the target analyte(s) was not detected in the sample, the data is reported.					
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.080	0.40	1
10591	PCB-1221	11104-28-2	N.D. D1	0.080	0.40	1
10591	PCB-1232	11141-16-5	N.D. D1	0.16	0.40	1
10591	PCB-1242	53469-21-9	N.D. D1	0.080	0.40	1
10591	PCB-1248	12672-29-6	N.D. D1	0.080	0.40	1
10591	PCB-1254	11097-69-1	N.D. D2	0.080	0.40	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.40	1
10591	Total PCBs	1336-36-3	N.D.	0.080	0.40	1
GC Petroleum Hydrocarbons	**SW-846 8015D Rev.4, June 2003**		**ug/l**	**ug/l**	**ug/l**	
10600	TPH-DRO water C10-C28	n.a.	110	34	94	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
01750	Calcium	7440-70-2	65.8	0.0330	1.00	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron	7439-89-6	0.381 J	0.0400	0.400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium	7439-95-4	15.5	0.0190	0.200	1
07058	Manganese	7439-96-5	0.272	0.0011	0.0400	1
07061	Nickel	7440-02-0	0.0035 J	0.0031	0.0200	1
01762	Potassium	7440-09-7	14.1	0.203	1.00	1
01767	Sodium	7440-23-5	14.6	0.326	2.00	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: Phase V Sed Basin (LP-8) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 10:55

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787645
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1
07072	Zinc	7440-66-6	0.0050 J	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	13.8	1.0	2.0	5
00368	Nitrate Nitrogen	14797-55-8	0.47 J	0.25	0.50	5
00228	Sulfate	14808-79-8	131	6.0	20.0	20
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	0.72 J	0.50	1.00	1
	EPA 365.1		**mg/l**	**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.050	0.10	1
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	N.D.	0.50	1.00	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	4.8	0.50	1.0	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	550	1.7	5.0	1
	EPA 1664A		**mg/l**	**mg/l**	**mg/l**	
08078	SGT-HEM (TPH)	n.a.	N.D.	1.4	5.0	1
	EPA 1664B		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.8	0.010	0.010	1
	EPA 350.2		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	0.60 J	0.25	0.75	1
	EPA 365.3		**mg/l**	**mg/l**	**mg/l**	
00226	Orthophosphate as P	7723-14-0	0.064	0.0030	0.010	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: Phase V Sed Basin (LP-8) Grab Surface Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 10:55

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787645
ELLE Group #: 1983692
Matrix: Surface Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 410.4**		mg/l	mg/l	mg/l	
04001	Chemical Oxygen Demand	n.a.	19.9 J	12.8	50.0	1
	SM 2320 B-2011		mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3	
12150	Total Alkalinity to pH 4.5	n.a.	116	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2340 C-2011		mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3	
12147	Total Hardness	471-34-1	221	3.0	10.0	1
	SM 2540 C-2011		mg/l	mg/l	mg/l	
00212	Total Dissolved Solids	n.a.	348	40.0	120	1
	SM 2540 D-2011		mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	4.63	1.00	3.00	1
	SM 4500-H+ B-2011		Std. Units	Std. Units	Std. Units	
12152	pH	n.a.	7.72	0.01	0.01	1
	SM 4500-SiO2 C-2011		mg/l	mg/l	mg/l	
00559	Silica (as SiO2)	7631-86-9	9.5	0.50	2.0	5
	SM 5210 B-2011		mg/l	mg/l	mg/l	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D.	2.00	2.00	1
	SW-846 7196A		mg/l	mg/l	mg/l	
00276	Hexavalent Chromium	18540-29-9	N.D.	0.010	0.030	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX by 8260 in water	SW-846 8260B	1	D182561AA	09/13/2018 16:11	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D182561AA	09/13/2018 16:11	Daniel H Heller	1
14239	Select SVOCs	SW-846 8270C	1	18251WAF026	09/14/2018 17:20	Kira N Beck	1
10464	BNA Water Extraction (App IX)	SW-846 3510C	1	18251WAF026	09/11/2018 18:00	Mathias Okpo	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182510010A	09/13/2018 13:03	Jessica L Miller	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182510010A	09/11/2018 17:57	Christine E Gleim	1
10600	TPH-DRO water C10-C28	SW-846 8015D Rev.4, June 2003	1	182540011A	09/14/2018 07:59	Amy Lehr	1
11164	DRO by 8015 Upd IV Water Ext	SW-846 3510C	1	182540011A	09/12/2018 17:30	Osvaldo R Sanchez	1
07035	Arsenic	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
07049	Cadmium	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
01750	Calcium	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: **Phase V Sed Basin (LP-8) Grab Surface Water DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 10:55

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787645
ELLE Group #: 1983692
Matrix: Surface Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
01757	Magnesium	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
01762	Potassium	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
01767	Sodium	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	182501063501	09/10/2018 18:04	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	182500571301	09/10/2018 11:27	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182501063501	09/10/2018 05:55	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182500571301	09/10/2018 06:40	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	18249520106A	09/06/2018 19:26	Ashlynn M Cornelius	5
00368	Nitrate Nitrogen	EPA 300.0	1	18249520106A	09/06/2018 19:26	Ashlynn M Cornelius	5
00228	Sulfate	EPA 300.0	1	18249520106A	09/08/2018 21:29	Samuel J Weaver	20
00217	Kjeldahl Nitrogen	EPA 351.2	1	18250108101B	09/10/2018 15:59	Gregory Baldree	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	18249109102A	09/07/2018 13:04	Brianna A Poole	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18250108101B	09/10/2018 15:59	Gregory Baldree	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18250667606B	09/08/2018 11:34	Drew M Gerhart	1
14088	Phenols (water)	SW-846 9066	1	18257126101B	09/14/2018 14:47	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18250108101B	09/07/2018 08:40	Nancy J Shoop	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	18249109102A	09/06/2018 19:30	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18249005103A	09/07/2018 00:33	Jeremy L Bolf	1
08078	SGT-HEM (TPH)	EPA 1664A	1	18253807801A	09/10/2018 09:46	Yolunder Y Bunch	1
08079	HEM (oil & grease)	EPA 1664B	1	18253807901A	09/10/2018 09:36	Yolunder Y Bunch	1
12151	Temperature of pH	EPA 170.1	1	18249005103A	09/07/2018 00:33	Jeremy L Bolf	1
00221	Ammonia Nitrogen	EPA 350.2	1	18257022101A	09/14/2018 08:45	Michelle L Lalli	1
00226	Orthophosphate as P	EPA 365.3	1	18249022601A	09/06/2018 23:15	Hannah M Royer	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18249400103A	09/06/2018 08:19	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18249005103A	09/07/2018 00:33	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18249005103A	09/07/2018 00:33	Jeremy L Bolf	1
12147	Total Hardness	SM 2340 C-2011	1	18253003102A	09/10/2018 18:57	Susan A Engle	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18249921202A	09/06/2018 15:37	Amy L Hankins	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18250145703A	09/07/2018 17:02	Alexa Sanchez	1
12152	pH	SM 4500-H+ B-2011	1	18249005103A	09/07/2018 00:33	Jeremy L Bolf	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18256055901A	09/13/2018 10:00	Kevin Litwa	5
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18249141084A	09/06/2018 21:25	Joseph Knisely	1
00276	Hexavalent Chromium	SW-846 7196A	1	18248027602A	09/05/2018 23:35	Hannah M Royer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: EB-CI-SW Grab Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 11:00

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787646
ELLE Group #: 1983692
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.2	1	1
10945	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10945	Toluene	108-88-3	N.D.	0.2	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**	**ug/l**	**ug/l**	
14239	Benzoic acid	65-85-0	N.D.	12	25	1
14239	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14239	a-Terpineol	98-55-5	N.D.	0.4	5	1
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and the target analyte(s) was not detected in the sample, the data is reported.					
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.080	0.40	1
10591	PCB-1221	11104-28-2	N.D. D1	0.080	0.40	1
10591	PCB-1232	11141-16-5	N.D. D1	0.16	0.40	1
10591	PCB-1242	53469-21-9	N.D. D1	0.080	0.40	1
10591	PCB-1248	12672-29-6	N.D. D1	0.080	0.40	1
10591	PCB-1254	11097-69-1	N.D. D1	0.080	0.40	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.40	1
10591	Total PCBs	1336-36-3	N.D.	0.080	0.40	1
GC Petroleum Hydrocarbons	**SW-846 8015D Rev.4, June 2003**		**ug/l**	**ug/l**	**ug/l**	
10600	TPH-DRO water C10-C28	n.a.	N.D.	38	100	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
01750	Calcium	7440-70-2	N.D.	0.0330	1.00	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron	7439-89-6	N.D.	0.0400	0.400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium	7439-95-4	N.D.	0.0190	0.200	1
07058	Manganese	7439-96-5	N.D.	0.0011	0.0400	1
07061	Nickel	7440-02-0	N.D.	0.0031	0.0200	1
01762	Potassium	7440-09-7	N.D.	0.203	1.00	1
01767	Sodium	7440-23-5	N.D.	0.326	2.00	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: EB-CI-SW Grab Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 11:00

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787646
ELLE Group #: 1983692
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1
07072	Zinc	7440-66-6	N.D.	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	N.D.	0.20	0.40	1
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.050	0.10	1
00228	Sulfate	14808-79-8	N.D.	0.30	1.0	1
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	N.D.	0.50	1.00	1
	EPA 365.1		**mg/l**	**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.050	0.10	1
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	N.D.	0.50	1.00	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	N.D.	0.50	1.0	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	N.D.	1.7	5.0	1
	EPA 1664A		**mg/l**	**mg/l**	**mg/l**	
08078	SGT-HEM (TPH)	n.a.	N.D.	1.4	5.0	1
	EPA 1664B		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.8	0.010	0.010	1
	EPA 365.3		**mg/l**	**mg/l**	**mg/l**	
00226	Orthophosphate as P	7723-14-0	0.0044 J	0.0030	0.010	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: EB-CI-SW Grab Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 11:00

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787646
ELLE Group #: 1983692
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2320 B-2011**		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	N.D.	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2340 C-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12147	Total Hardness	471-34-1	N.D.	3.0	10.0	1
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	N.D.	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	1.34 J	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	5.98	0.01	0.01	1
	SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen	7664-41-7	N.D.	0.08	0.24	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)	7631-86-9	0.13 J	0.10	0.40	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D.	2.00	2.00	1
	SW-846 7196A		**mg/l**	**mg/l**	**mg/l**	
00276	Hexavalent Chromium	18540-29-9	N.D.	0.010	0.030	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX by 8260 in water	SW-846 8260B	1	D182561AA	09/13/2018 16:35	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D182561AA	09/13/2018 16:35	Daniel H Heller	1
14239	Select SVOCs	SW-846 8270C	1	18251WAF026	09/14/2018 17:48	Kira N Beck	1
10464	BNA Water Extraction (App IX)	SW-846 3510C	1	18251WAF026	09/11/2018 18:00	Mathias Okpo	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182510010A	09/13/2018 13:14	Jessica L Miller	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182510010A	09/11/2018 17:57	Christine E Gleim	1
10600	TPH-DRO water C10-C28	SW-846 8015D Rev.4, June 2003	1	182540011A	09/14/2018 06:55	Amy Lehr	1
11164	DRO by 8015 Upd IV Water Ext	SW-846 3510C	1	182540011A	09/12/2018 17:30	Osvaldo R Sanchez	1
07035	Arsenic	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
07049	Cadmium	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
01750	Calcium	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: **EB-CI-SW Grab Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 11:00

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787646
ELLE Group #: 1983692
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
01757	Magnesium	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
01762	Potassium	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
01767	Sodium	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	182501063501	09/10/2018 18:07	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	182500571301	09/10/2018 11:29	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182501063501	09/10/2018 05:55	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182500571301	09/10/2018 06:40	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	18249520106B	09/06/2018 23:23	Ashlynn M Cornelius	1
00368	Nitrate Nitrogen	EPA 300.0	1	18249520106B	09/06/2018 23:23	Ashlynn M Cornelius	1
00228	Sulfate	EPA 300.0	1	18249520106B	09/06/2018 23:23	Ashlynn M Cornelius	1
00217	Kjeldahl Nitrogen	EPA 351.2	1	18250108101B	09/10/2018 16:00	Gregory Baldree	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	18249109102A	09/07/2018 13:04	Brianna A Poole	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18250108101B	09/10/2018 16:00	Gregory Baldree	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18250667606B	09/08/2018 11:49	Drew M Gerhart	1
14088	Phenols (water)	SW-846 9066	1	18257126101A	09/14/2018 14:27	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18250108101B	09/07/2018 08:40	Nancy J Shoop	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	18249109102A	09/06/2018 19:30	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18249005103A	09/07/2018 00:42	Jeremy L Bolf	1
08078	SGT-HEM (TPH)	EPA 1664A	1	18253807801A	09/10/2018 09:46	Yolunder Y Bunch	1
08079	HEM (oil & grease)	EPA 1664B	1	18253807901A	09/10/2018 09:36	Yolunder Y Bunch	1
12151	Temperature of pH	EPA 170.1	1	18249005103A	09/07/2018 00:42	Jeremy L Bolf	1
00226	Orthophosphate as P	EPA 365.3	1	18249022601A	09/06/2018 23:15	Hannah M Royer	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18249400103A	09/06/2018 08:19	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18249005103A	09/07/2018 00:42	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18249005103A	09/07/2018 00:42	Jeremy L Bolf	1
12147	Total Hardness	SM 2340 C-2011	1	18253003102A	09/10/2018 19:10	Susan A Engle	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18249921202A	09/06/2018 15:37	Amy L Hankins	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18250145703A	09/07/2018 17:02	Alexa Sanchez	1
12152	pH	SM 4500-H+ B-2011	1	18249005103A	09/07/2018 00:42	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18254005201A	09/11/2018 13:55	Michelle L Lalli	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18256055901A	09/13/2018 10:00	Kevin Litwa	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18249141084A	09/06/2018 21:25	Joseph Knisely	1
00276	Hexavalent Chromium	SW-846 7196A	1	18248027602A	09/05/2018 23:35	Hannah M Royer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: TB-CI-SW Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 15:16

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787647
ELLE Group #: 1983692
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.2	1	1
10945	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10945	Toluene	108-88-3	N.D.	0.2	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**	**ug/l**	**ug/l**	
14239	Benzoic acid	65-85-0	N.D.	12	25	1
14239	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14239	a-Terpineol	98-55-5	N.D.	0.4	5	1
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and the target analyte(s) was not detected in the sample, the data is reported.					
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.083	0.41	1
10591	PCB-1221	11104-28-2	N.D. D1	0.083	0.41	1
10591	PCB-1232	11141-16-5	N.D. D1	0.17	0.41	1
10591	PCB-1242	53469-21-9	N.D. D1	0.083	0.41	1
10591	PCB-1248	12672-29-6	N.D. D1	0.083	0.41	1
10591	PCB-1254	11097-69-1	N.D. D1	0.083	0.41	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.41	1
10591	Total PCBs	1336-36-3	N.D.	0.083	0.41	1
GC Petroleum Hydrocarbons	**SW-846 8015D Rev.4, June 2003**		**ug/l**	**ug/l**	**ug/l**	
10600	TPH-DRO water C10-C28	n.a.	N.D.	36	100	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
01750	Calcium	7440-70-2	N.D.	0.0330	1.00	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron	7439-89-6	N.D.	0.0400	0.400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium	7439-95-4	N.D.	0.0190	0.200	1
07058	Manganese	7439-96-5	N.D.	0.0011	0.0400	1
07061	Nickel	7440-02-0	N.D.	0.0031	0.0200	1
01762	Potassium	7440-09-7	N.D.	0.203	1.00	1
01767	Sodium	7440-23-5	N.D.	0.326	2.00	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: TB-CI-SW Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 15:16

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787647
ELLE Group #: 1983692
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1
07072	Zinc	7440-66-6	N.D.	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	N.D.	0.20	0.40	1
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.050	0.10	1
00228	Sulfate	14808-79-8	N.D.	0.30	1.0	1
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	N.D.	0.50	1.00	1
	EPA 365.1		**mg/l**	**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.050	0.10	1
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	N.D.	0.50	1.00	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	1.4	0.50	1.0	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	N.D.	1.7	5.0	1
	EPA 1664A		**mg/l**	**mg/l**	**mg/l**	
08078	SGT-HEM (TPH)	n.a.	N.D.	1.4	5.0	1
	EPA 1664B		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.9	0.010	0.010	1
	EPA 365.3		**mg/l**	**mg/l**	**mg/l**	
00226	Orthophosphate as P	7723-14-0	0.0044 J	0.0030	0.010	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: TB-CI-SW Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 15:16

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787647
ELLE Group #: 1983692
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2320 B-2011**		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	N.D.	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2340 C-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12147	Total Hardness	471-34-1	N.D.	3.0	10.0	1
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	N.D.	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	N.D.	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	6.01	0.01	0.01	1
	SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen	7664-41-7	N.D.	0.08	0.24	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
00559	Silica (as SiO2)	7631-86-9	0.34 J	0.10	0.40	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D.	2.00	2.00	1
	SW-846 7196A		**mg/l**	**mg/l**	**mg/l**	
00276	Hexavalent Chromium	18540-29-9	N.D.	0.010	0.030	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX by 8260 in water	SW-846 8260B	1	D182561AA	09/13/2018 16:59	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D182561AA	09/13/2018 16:59	Daniel H Heller	1
14239	Select SVOCs	SW-846 8270C	1	18251WAF026	09/14/2018 18:16	Kira N Beck	1
10464	BNA Water Extraction (App IX)	SW-846 3510C	1	18251WAF026	09/11/2018 18:00	Mathias Okpo	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182510010A	09/13/2018 13:25	Jessica L Miller	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182510010A	09/11/2018 17:57	Christine E Gleim	1
10600	TPH-DRO water C10-C28	SW-846 8015D Rev.4, June 2003	1	182540011A	09/14/2018 07:16	Amy Lehr	1
11164	DRO by 8015 Upd IV Water Ext	SW-846 3510C	1	182540011A	09/12/2018 17:30	Osvaldo R Sanchez	1
07035	Arsenic	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
07049	Cadmium	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
01750	Calcium	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: **TB-CI-SW Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 15:16

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787647
ELLE Group #: 1983692
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
01757	Magnesium	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
01762	Potassium	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
01767	Sodium	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	182501063501	09/10/2018 18:09	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	182500571301	09/10/2018 11:31	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182501063501	09/10/2018 05:55	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182500571301	09/10/2018 06:40	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	18249520106B	09/07/2018 03:02	Ashlynn M Cornelius	1
00368	Nitrate Nitrogen	EPA 300.0	1	18249520106B	09/07/2018 03:02	Ashlynn M Cornelius	1
00228	Sulfate	EPA 300.0	1	18249520106B	09/07/2018 03:02	Ashlynn M Cornelius	1
00217	Kjeldahl Nitrogen	EPA 351.2	1	18250108101B	09/10/2018 15:59	Gregory Baldree	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	18249109102A	09/07/2018 13:03	Brianna A Poole	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18250108101B	09/10/2018 15:59	Gregory Baldree	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18250667606B	09/08/2018 12:04	Drew M Gerhart	1
14088	Phenols (water)	SW-846 9066	1	18257126101A	09/14/2018 14:35	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18250108101B	09/07/2018 08:40	Nancy J Shoop	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	18249109102A	09/06/2018 19:30	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18249005103A	09/07/2018 00:38	Jeremy L Bolf	1
08078	SGT-HEM (TPH)	EPA 1664A	1	18253807801A	09/10/2018 09:46	Yolunder Y Bunch	1
08079	HEM (oil & grease)	EPA 1664B	1	18253807901A	09/10/2018 09:36	Yolunder Y Bunch	1
12151	Temperature of pH	EPA 170.1	1	18249005103A	09/07/2018 00:38	Jeremy L Bolf	1
00226	Orthophosphate as P	EPA 365.3	1	18249022601A	09/06/2018 23:15	Hannah M Royer	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18249400103A	09/06/2018 08:19	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18249005103A	09/07/2018 00:38	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18249005103A	09/07/2018 00:38	Jeremy L Bolf	1
12147	Total Hardness	SM 2340 C-2011	1	18253003102A	09/10/2018 19:24	Susan A Engle	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18249921202A	09/06/2018 15:37	Amy L Hankins	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18250145703A	09/07/2018 17:02	Alexa Sanchez	1
12152	pH	SM 4500-H+ B-2011	1	18249005103A	09/07/2018 00:38	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18254005201A	09/11/2018 14:00	Michelle L Lalli	1
00559	Silica (as SiO2)	SM 4500-SiO2 C-2011	1	18256055901A	09/13/2018 10:00	Kevin Litwa	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18250141081A	09/07/2018 11:32	Gaurang A Pandya	1
00276	Hexavalent Chromium	SW-846 7196A	1	18248027602A	09/05/2018 23:35	Hannah M Royer	1

*=This limit was used in the evaluation of the final result

REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: D182561AA	Sample number(s): 9787640-9787647		
Benzene	N.D.	0.2	1
Ethylbenzene	N.D.	0.2	1
Toluene	N.D.	0.2	1
Xylene (Total)	N.D.	0.5	5
Batch number: 18251WAF026	Sample number(s): 9787640-9787647		
Benzoic acid	N.D.	12	25
4-Methylphenol	N.D.	0.5	2
a-Terpineol	N.D.	0.4	5
Batch number: 182500056A	Sample number(s): 9787640-9787644		
PCB-1016	N.D.	0.080	0.40
PCB-1221	N.D.	0.080	0.40
PCB-1232	N.D.	0.16	0.40
PCB-1242	N.D.	0.080	0.40
PCB-1248	N.D.	0.080	0.40
PCB-1254	N.D.	0.080	0.40
PCB-1260	N.D.	0.12	0.40
Total PCBs	N.D.	0.080	0.40
Batch number: 182510010A	Sample number(s): 9787645-9787647		
PCB-1016	N.D.	0.080	0.40
PCB-1221	N.D.	0.080	0.40
PCB-1232	N.D.	0.16	0.40
PCB-1242	N.D.	0.080	0.40
PCB-1248	N.D.	0.080	0.40
PCB-1254	N.D.	0.080	0.40
PCB-1260	N.D.	0.12	0.40
Total PCBs	N.D.	0.080	0.40
Batch number: 182540011A	Sample number(s): 9787640-9787647		
TPH-DRO water C10-C28	N.D.	36	100
	mg/l	mg/l	mg/l
Batch number: 182500571301	Sample number(s): 9787640-9787647		
Mercury	N.D.	0.000050	0.00020
Batch number: 182501063501	Sample number(s): 9787640-9787647		
Arsenic	N.D.	0.0160	0.100
Cadmium	N.D.	0.0010	0.0100
Calcium	N.D.	0.0330	1.00

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Chromium	N.D.	0.0053	0.0300
Copper	N.D.	0.0062	0.0400
Iron	N.D.	0.0400	0.400
Lead	N.D.	0.0071	0.0300
Magnesium	N.D.	0.0190	0.200
Manganese	N.D.	0.0011	0.0400
Nickel	N.D.	0.0031	0.0200
Potassium	N.D.	0.203	1.00
Sodium	N.D.	0.326	2.00
Tin	N.D.	0.0070	0.100
Zinc	N.D.	0.0030	0.0400
Batch number: 18249109102A	Sample number(s): 9787640,9787642-9787647		
Total Phosphorus as P (water)	N.D.	0.050	0.10
Batch number: 18249109102B	Sample number(s): 9787641		
Total Phosphorus as P (water)	N.D.	0.050	0.10
Batch number: 18249520106A	Sample number(s): 9787642-9787645		
Chloride	N.D.	0.20	0.40
Nitrate Nitrogen	N.D.	0.050	0.10
Sulfate	N.D.	0.30	1.0
Batch number: 18249520106B	Sample number(s): 9787640-9787641,9787646-9787647		
Chloride	N.D.	0.20	0.40
Nitrate Nitrogen	N.D.	0.050	0.10
Sulfate	N.D.	0.30	1.0
Batch number: 18250108101B	Sample number(s): 9787640-9787647		
Kjeldahl Nitrogen	N.D.	0.50	1.00
Batch number: 18250667606B	Sample number(s): 9787640-9787647		
Total Organic Carbon	N.D.	0.50	1.0
Batch number: 18257126101A	Sample number(s): 9787640-9787644,9787646-9787647		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18257126101B	Sample number(s): 9787645		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18274129101A	Sample number(s): 9787640		
Silica	N.D.	0.10	0.40
Batch number: 18248027602A	Sample number(s): 9787640-9787647		
Hexavalent Chromium	N.D.	0.010	0.030
Batch number: 18249022601A	Sample number(s): 9787640-9787647		
Orthophosphate as P	0.0044 J	0.0030	0.010
Batch number: 18249400103A	Sample number(s): 9787640-9787642,9787644-9787647		
Chemical Oxygen Demand	N.D.	12.8	50.0

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: 18249400103B	Sample number(s): 9787643		
Chemical Oxygen Demand	N.D.	12.8	50.0
Batch number: 18249921202A	Sample number(s): 9787641-9787647		
Total Dissolved Solids	N.D.	20.0	60.0
Batch number: 18250145702A	Sample number(s): 9787642-9787643		
Total Suspended Solids	N.D.	1.00	3.00
Batch number: 18250145703A	Sample number(s): 9787640-9787641,9787644-9787647		
Total Suspended Solids	N.D.	1.00	3.00
Batch number: 18250921203A	Sample number(s): 9787640		
Total Dissolved Solids	N.D.	20.0	60.0
Batch number: 18253807801A	Sample number(s): 9787640-9787647		
SGT-HEM (TPH)	N.D.	1.4	5.0
Batch number: 18253807901A	Sample number(s): 9787640-9787647		
HEM (oil & grease)	N.D.	1.4	5.0
Batch number: 18254005201A	Sample number(s): 9787646-9787647		
Ammonia-Nitrogen	N.D.	0.08	0.24
Batch number: 18256055901A	Sample number(s): 9787641-9787647		
Silica (as SiO2)	N.D.	0.10	0.40
Batch number: 18257022101A	Sample number(s): 9787640-9787645		
Ammonia Nitrogen	N.D.	0.25	0.75
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3
Batch number: 18249005103A	Sample number(s): 9787640-9787642,9787644-9787647		
Total Alkalinity to pH 4.5	N.D.	1.7	5.0
Batch number: 18249005103B	Sample number(s): 9787643		
Total Alkalinity to pH 4.5	N.D.	1.7	5.0
Batch number: 18253003102A	Sample number(s): 9787640-9787642,9787644-9787647		
Total Hardness	N.D.	3.0	10.0
Batch number: 18253003102B	Sample number(s): 9787643		
Total Hardness	N.D.	3.0	10.0
	umhos/cm	umhos/cm	umhos/cm
Batch number: 18249005103A	Sample number(s): 9787640-9787642,9787644-9787647		
Specific Conductance	N.D.	1.7	5.0
Batch number: 18249005103B	Sample number(s): 9787643		
Specific Conductance	N.D.	1.7	5.0

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REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: D182561AA	Sample number(s): 9787640-9787647								
Benzene	20	16.08			80		80-120		
Ethylbenzene	20	16.32			82		80-120		
Toluene	20	16.33			82		80-120		
Xylene (Total)	60	51.5			86		80-120		
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 18251WAF026	Sample number(s): 9787640-9787647								
Benzoic acid	100	24.98	100	45.91	25	46	10-117	59*	30
4-Methylphenol	50	32.6	50	31.92	65	64	56-108	2	30
a-Terpineol	50	108.73	50	121.57	217*	243*	70-130	11	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182500056A	Sample number(s): 9787640-9787644								
PCB-1016	5.00	3.79			76		60-117		
PCB-1260	5.05	4.59			91		57-134		
Batch number: 182510010A	Sample number(s): 9787645-9787647								
PCB-1016	5.00	4.36	5.00	4.61	87	92	60-117	6	30
PCB-1260	5.05	5.02	5.05	4.69	99	93	57-134	7	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182540011A	Sample number(s): 9787640-9787647								
TPH-DRO water C10-C28	1605.97	1275.59	1605.97	1325.27	79	83	53-115	4	20
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 182500571301	Sample number(s): 9787640-9787647								
Mercury	0.00100	0.000879			88		80-114		
Batch number: 182501063501	Sample number(s): 9787640-9787647								
Arsenic	0.150	0.147			98		80-120		
Cadmium	0.0500	0.0514			103		90-111		
Calcium	4.00	4.03			101		88-112		
Chromium	0.200	0.199			100		87-110		
Copper	0.250	0.259			104		90-115		
Iron	1.00	1.02			102		80-114		
Lead	0.150	0.155			104		87-113		
Magnesium	2.00	2.06			103		88-114		
Manganese	0.500	0.502			100		90-112		
Nickel	0.500	0.521			104		90-114		
Potassium	10	10.28			103		88-112		
Sodium	10	10.18			102		87-112		
Tin	4.00	3.96			99		89-110		

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REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

LCS/LCSD (continued)

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Zinc	0.500	0.497			99		89-111		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18249109102A	Sample number(s): 9787640,9787642-9787647								
Total Phosphorus as P (water)	1.39	1.41			102		90-110		
Batch number: 18249109102B	Sample number(s): 9787641								
Total Phosphorus as P (water)	1.39	1.41			102		90-110		
Batch number: 18249520106A	Sample number(s): 9787642-9787645								
Chloride	3.00	3.04			101		90-110		
Nitrate Nitrogen	0.750	0.754			101		90-110		
Sulfate	7.50	7.47			100		90-110		
Batch number: 18249520106B	Sample number(s): 9787640-9787641,9787646-9787647								
Chloride	3.00	3.04			101		90-110		
Nitrate Nitrogen	0.750	0.754			101		90-110		
Sulfate	7.50	7.47			100		90-110		
Batch number: 18250108101B	Sample number(s): 9787640-9787647								
Kjeldahl Nitrogen	5.00	5.15			103		90-110		
Batch number: 18250667606B	Sample number(s): 9787640-9787647								
Total Organic Carbon	25	25.22			101		91-113		
Batch number: 18257126101A	Sample number(s): 9787640-9787644,9787646-9787647								
Phenols (water)	0.250	0.252			101		82-109		
Batch number: 18257126101B	Sample number(s): 9787645								
Phenols (water)	0.250	0.252			101		82-109		
Batch number: 18274129101A	Sample number(s): 9787640								
Silica	2.00	2.03			102		95-110		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18248027602A	Sample number(s): 9787640-9787647								
Hexavalent Chromium	0.200	0.212	0.200	0.210	106	105	90-110	1	4
Batch number: 18249022601A	Sample number(s): 9787640-9787647								
Orthophosphate as P	0.400	0.402			101		95-105		
Batch number: 18249141082A	Sample number(s): 9787643								
Biochemical Oxygen Demand-BOD	198	209.4			106		85-115		
Batch number: 18249141083A	Sample number(s): 9787642								
Biochemical Oxygen Demand-BOD	198	213.1			108		85-115		
Batch number: 18249141084A	Sample number(s): 9787644-9787646								

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REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Biochemical Oxygen Demand-BOD	198	214.7			108		85-115		
Batch number: 18249400103A	Sample number(s): 9787640-9787642,9787644-9787647								
Chemical Oxygen Demand	500	511.7			102		94-110		
Batch number: 18249400103B	Sample number(s): 9787643								
Chemical Oxygen Demand	500	511.7			102		94-110		
Batch number: 18249921202A	Sample number(s): 9787641-9787647								
Total Dissolved Solids	200	213			107		62-127		
Batch number: 18250141081A	Sample number(s): 9787640-9787641,9787647								
Biochemical Oxygen Demand-BOD	198	202.3			102		85-115		
Batch number: 18250145702A	Sample number(s): 9787642-9787643								
Total Suspended Solids	150	139.5			93		74-118		
Batch number: 18250145703A	Sample number(s): 9787640-9787641,9787644-9787647								
Total Suspended Solids	150	149.9			100		74-118		
Batch number: 18250921203A	Sample number(s): 9787640								
Total Dissolved Solids	200	201			101		62-127		
Batch number: 18253807801A	Sample number(s): 9787640-9787647								
SGT-HEM (TPH)	20	20.7	20	20	104	100	64-132	3	23
Batch number: 18253807901A	Sample number(s): 9787640-9787647								
HEM (oil & grease)	40	37	40	36.8	93	92	78-114	1	13
Batch number: 18254005201A	Sample number(s): 9787646-9787647								
Ammonia-Nitrogen	5.00	4.59			92		77-133		
Batch number: 18256055901A	Sample number(s): 9787641-9787647								
Silica (as SiO2)	2.50	2.67			107		95-110		
Batch number: 18257022101A	Sample number(s): 9787640-9787645								
Ammonia Nitrogen	10	9.53	10	9.59	95	96	93-100	1	5
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3					
Batch number: 18249005103A	Sample number(s): 9787640-9787642,9787644-9787647								
Total Alkalinity to pH 4.5	188	164.28			87		77-109		
Batch number: 18249005103B	Sample number(s): 9787643								
Total Alkalinity to pH 4.5	188	164.28			87		77-109		
Batch number: 18253003102A	Sample number(s): 9787640-9787642,9787644-9787647								
Total Hardness	40	37.92			95		85-110		

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REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l as CaCO3	LCS Conc mg/l as CaCO3	LCSD Spike Added mg/l as CaCO3	LCSD Conc mg/l as CaCO3	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 18253003102B	Sample number(s): 9787643								
Total Hardness	40	37.92			95		85-110		
	Std. Units	**Std. Units**	**Std. Units**	**Std. Units**					
Batch number: 18249005103A	Sample number(s): 9787640-9787642,9787644-9787647								
pH	7.00	7.00			100		95-105		
Batch number: 18249005103B	Sample number(s): 9787643								
pH	7.00	7.00			100		95-105		
	umhos/cm	**umhos/cm**	**umhos/cm**	**umhos/cm**					
Batch number: 18249005103A	Sample number(s): 9787640-9787642,9787644-9787647								
Specific Conductance	147	146.8			100		80-121		
Batch number: 18249005103B	Sample number(s): 9787643								
Specific Conductance	147	146.8			100		80-121		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: D182561AA	Sample number(s): 9787640-9787647 UNSPK: 9787641									
Benzene	N.D.	20	18.54	20	17.71	93	89	80-120	5	30
Ethylbenzene	N.D.	20	18.3	20	18.14	91	91	80-120	1	30
Toluene	N.D.	20	18.74	20	18.24	94	91	80-120	3	30
Xylene (Total)	N.D.	60	57.05	60	56.11	95	94	80-120	2	30
	mg/l	**mg/l**	**mg/l**	**mg/l**	**mg/l**					
Batch number: 182501063501	Sample number(s): 9787640-9787647 UNSPK: 9787641									
Arsenic	N.D.	0.150	0.152	0.150	0.156	101	104	75-125	3	20
Cadmium	N.D.	0.0500	0.0503	0.0500	0.0499	101	100	75-125	1	20
Calcium	18.51	4.00	22.58	4.00	22.59	102 (2)	102 (2)	75-125	0	20
Chromium	0.00975	0.200	0.213	0.200	0.208	102	99	75-125	2	20
Copper	0.0113	0.250	0.269	0.250	0.266	103	102	75-125	1	20
Iron	5.81	1.00	7.34	1.00	7.26	153 (2)	145 (2)	75-125	1	20
Lead	0.0102	0.150	0.158	0.150	0.159	99	99	75-125	1	20
Magnesium	7.36	2.00	9.54	2.00	9.50	109	107	75-125	0	20
Manganese	0.341	0.500	0.835	0.500	0.831	99	98	75-125	0	20

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REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc	MS Spike Added	MS Conc	MSD Spike Added	MSD Conc	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l	mg/l					
Nickel	0.00738	0.500	0.521	0.500	0.516	103	102	75-125	1	20
Potassium	3.44	10	14.05	10	14.06	106	106	75-125	0	20
Sodium	19.9	10	29.9	10	29.9	100	100	75-125	0	20
Tin	N.D.	4.00	3.93	4.00	3.89	98	97	75-119	1	20
Zinc	0.0391	0.500	0.529	0.500	0.522	98	97	75-125	1	20
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 18249109102A	Sample number(s): 9787640,9787642-9787647 UNSPK: 9787644									
Total Phosphorus as P (water)	0.0766	2.00	2.30			111*		90-110		
Batch number: 18257126101A	Sample number(s): 9787640-9787644,9787646-9787647 UNSPK: 9787640									
Phenols (water)	N.D.	0.200	0.207	0.200	0.207	104	104	90-110	0	8
Batch number: 18257126101B	Sample number(s): 9787645 UNSPK: 9787645									
Phenols (water)	N.D.	0.200	0.214	0.200	0.217	107	109	90-110	1	8
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 18249400103B	Sample number(s): 9787643 UNSPK: 9787643									
Chemical Oxygen Demand	N.D.	400	407.2			102		94-110		
Batch number: 18256055901A	Sample number(s): 9787641-9787647 UNSPK: 9787645									
Silica (as SiO2)	9.50	10	19.19	10	19.52	97	100	95-110	2	3
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3					
Batch number: 18249005103A	Sample number(s): 9787640-9787642,9787644-9787647 UNSPK: 9787642									
Total Alkalinity to pH 4.5	45.59	188	195.93			80		77-109		
Batch number: 18249005103B	Sample number(s): 9787643 UNSPK: 9787642									
Total Alkalinity to pH 4.5	45.59	188	195.93			80		77-109		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	mg/l	mg/l		
Batch number: 182501063501	Sample number(s): 9787640-9787647 BKG: 9787641			
Arsenic	N.D.	N.D.	0 (1)	20
Cadmium	N.D.	N.D.	0 (1)	20
Calcium	18.51	17.95	3	20

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REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	mg/l	mg/l		
Chromium	0.00975	0.0108	10 (1)	20
Copper	0.0113	0.00670	51* (1)	20
Iron	5.81	5.90	2	20
Lead	0.0102	0.0122	18 (1)	20
Magnesium	7.36	7.19	2	20
Manganese	0.341	0.331	3	20
Nickel	0.00738	0.00762	3 (1)	20
Potassium	3.44	3.40	1 (1)	20
Sodium	19.9	19.29	3	20
Tin	N.D.	N.D.	0 (1)	20
Zinc	0.0391	0.0386	1 (1)	20
	mg/l	mg/l		
Batch number: 18249109102A	Sample number(s): 9787640,9787642-9787647 BKG: 9787644			
Total Phosphorus as P (water)	0.0766	0.141	59* (1)	4
	Degrees C	Degrees C		
Batch number: 18249005103A	Sample number(s): 9787640-9787642,9787644-9787647 BKG: 9787642			
Temperature of pH	23.6	23.72	1	5
Batch number: 18249005103B	Sample number(s): 9787643 BKG: 9787643			
Temperature of pH	23.84	23.76	0	5
	mg/l	mg/l		
Batch number: 18249400103B	Sample number(s): 9787643 BKG: 9787643			
Chemical Oxygen Demand	N.D.	N.D.	0 (1)	9
Batch number: 18256055901A	Sample number(s): 9787641-9787647 BKG: 9787645			
Silica (as SiO2)	9.50	8.58	10* (1)	3
	mg/l as CaCO3	mg/l as CaCO3		
Batch number: 18249005103A	Sample number(s): 9787640-9787642,9787644-9787647 BKG: 9787642			
Total Alkalinity to pH 4.5	45.59	43.39	5	5
Phenolphthalein Alk. to pH 8.3	N.D.	N.D.	0 (1)	5
Batch number: 18249005103B	Sample number(s): 9787643 BKG: 9787643			
Total Alkalinity to pH 4.5	43.32	41.58	4	5
Phenolphthalein Alk. to pH 8.3	N.D.	N.D.	0 (1)	5
Batch number: 18253003102B	Sample number(s): 9787643 BKG: 9787643			
Total Hardness	65.89	65.58	0	7
	Std. Units	Std. Units		
Batch number: 18249005103A	Sample number(s): 9787640-9787642,9787644-9787647 BKG: 9787642			

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REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	Std. Units	Std. Units		
pH	8.02	7.82	3	4
Batch number: 18249005103B	Sample number(s): 9787643 BKG: 9787643			
pH	7.82	7.75	1	4
	umhos/cm	umhos/cm		
Batch number: 18249005103A	Sample number(s): 9787640-9787642,9787644-9787647 BKG: 9787642			
Specific Conductance	249	249	0	5
Batch number: 18249005103B	Sample number(s): 9787643 BKG: 9787643			
Specific Conductance	258	258	0	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX by 8260 in water
Batch number: D182561AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9787640	101	99	98	90
9787641	100	99	97	90
9787642	100	99	97	90
9787643	98	100	97	90
9787644	99	101	97	90
9787645	98	101	98	90
9787646	99	100	97	89
9787647	99	100	98	90
Blank	101	101	97	90
LCS	102	103	98	92
MS	100	103	97	91
MSD	99	102	97	92
Limits:	80-120	80-120	80-120	80-120

Analysis Name: Select SVOCs
Batch number: 18251WAF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol
9787640	37	51	89
9787641	34	47	72
9787642	37	51	79

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REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Select SVOCs
Batch number: 18251WAF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol
9787643	35	48	80
9787644	35	48	82
9787645	37	49	70
9787646	32	44	79
9787647	34	48	84
Blank	33	46	81
LCS	42	62	100
LCSD	44	66	101
Limits:	10-72	10-85	29-133

Analysis Name: PCBs in Water by 8082A
Batch number: 182500056A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9787640	95	79	93	82
9787641	96	72	95	69
9787642	95	94	98	95
9787643	101	60	99	60
9787644	91	68	90	69
Blank	61	44	60	42
LCS	77	44	77	41
Limits:	33-137	10-148	33-137	10-148

Analysis Name: PCBs in Water by 8082A
Batch number: 182510010A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9787645	83	49	77	47
9787646	73	56	71	54
9787647	95	70	89	69
Blank	96	58	92	55
LCS	80	70	80	68
LCSD	81	40	77	39
Limits:	33-137	10-148	33-137	10-148

Analysis Name: TPH-DRO water C10-C28
Batch number: 182540011A

	Orthoterphenyl
9787640	78
9787641	80
9787642	84

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REVISED

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983692
Reported: 10/04/2018 08:41

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-DRO water C10-C28
Batch number: 182540011A

	Orthoterphenyl
9787643	86
9787644	76
9787645	86
9787646	74
9787647	88
Blank	90
LCS	86
LCSD	86
Limits:	52-132

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

200080 | 1983692 | 9787640-47

Brickhouse Environmental
Environmental Consultants & Engineers
515 South Franklin Street • West Chester, PA 19382 • 610.692.6770 • Fax: 610.692.6650

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #: | of
Lab Quote #:

Project Name: DSWA (CIL)
Project Location: Cherry Island Landfill
Project Number: 10-2671-21
Project Manager: Doug Schott
PO No: 294388
Bill To: Above
TAT [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X]-Y dschott@brickhouse-environmental.com anicolardi@brickhouse-environmental.com

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Container Type	Container Size	Preservative	Dissolved Silica, TDS, BOD	HEM Oil and Grease, SGT-HEM (TPH)	As, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Na, Sn, Zn, Total Hardness	BTEX by 8260 in water	Select SVOCs, TPH-DRO water C10-C28	Chloride, Nitrate Nitrogen, Sulfate	pH, SpCond, Tot. Alk., Phen. Alk	TOC	Ammonia Nitrogen	Phenols (water)	PCBs in water 8082A	COD, TKN, TON, Tot. Phosphorous as P	TSS	Hexavalent Chromium, Ortho-phosphate as P
					P	500 ml	None	HCl	HNO3	HCL	None	None	None	H3PO4	H2SO4	H2SO4	None	H2SO4	None	None	
					ANALYSES/METHOD REQUESTED																
					Enter Number of Containers Per Sample or Field Results Below.																
Northern SMB (SW-1)			G	GW	2	3	2	3	3	1	1	2	1	1	2	1	1	1	field filter for Hex-Cr, Orthophosphate
DE Upstream (Low Tide)	9/6/18	1515	G	GW	2	3	2	3	3	1	1	2	1	1	2	1	1	1	
DE Downstream (Low Tide)	9/6/18	1450	G	GW	2	3	2	3	3	1	1	2	1	1	2	1	1	1	
DE Upstream (High Tide)	9/5/18	905	G	GW	2	3	2	3	3	1	1	2	1	1	2	1	1	1	
DE Downstream (High Tide)	9/5/18	845	G	GW	2	3	2	3	3	1	1	2	1	1	2	1	1	1	
Christina River (SW-5)	9/5/18	1035	G	GW	2	3	2	3	3	1	1	2	1	1	2	1	1	1	
12th Street (SW-6)			G	GW	2	3	2	3	3	1	1	2	1	1	2	1	1	1	
Phase V Sedimentation Basin (LP-8)	9/5/18	1055	G	GW	2	3	2	3	3	1	1	2	1	1	2	1	1	1	
EB-CI-SW	9/5/18	1100	G	GW	2	3	2	3	3	1	1	2	1	1	2	1	1	1	
TB-CI-SW	9/5/18	1516	G	GW	2	2	2	2	2	1	1	2	1	1	2	1	1	1	
Logged By (initials/date/time)																			
Reviewed By (initials/date/time)																			

Receipt Information (Receiving Lab)
Cooler Temp: 0.4-9.1 Cooler #: 8325
Therm. ID DT146

	Y	N
Custody Seals Present?	✓	
(if present) Seals Intact?	✓	
Received on Ice?	✓	
COC/Labels Agree?	✓	
Cont. in Good Cond.?	✓	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other
Tracking #:
Sample/COC Comments/PID Response/Etc.

Project Comments:

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/5/18	1630	2	9.5.18	1630
3	9-5-18	1755	4		
5			6		
7			8		
9			10	9518	1755

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE
Special Processing: USACE [ ] Navy [ ]
State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE
Reportable to PADEP? Yes [ ]
Sample Disposal: Lab [X] Special [ ]
PWSID #
EDDS: Format Type

* G=Grab; C=Composite ** Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 1/12

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Sample Administration Receipt Documentation Log

Doc Log ID: 226119

Group Number(s): 1983692

Client: Brickhouse Environmental

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/05/2018 17:55
Number of Packages:	11	Number of Projects:	4
State/Province of Origin:	PA		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	No	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	21
Paperwork Enclosed:	Yes	Trip Blank Type:	See COC
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Melvin Sanchez (8943) at 20:19 on 09/05/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?	Samples Collected Same Day as Receipt?
1	DT146	2.9	DT	Wet	Y	Bagged	N	N
2	DT146	3.5	DT	Wet	Y	Bagged	N	N
3	DT146	2.4	DT	Wet	Y	Bagged	N	N
4	DT146	6.2	DT	Wet	Y	Bagged	Y	Y
5	DT146	0.7	DT	Wet	Y	Bagged	N	Y
6	DT146	9.1	DT	Wet	Y	Bagged	Y	Y
7	DT146	8.2	DT	Wet	Y	Bagged	Y	Y
8	DT146	1.5	DT	Wet	Y	Bagged	N	N
9	DT146	0.7	DT	Wet	Y	Bagged	N	N
10	DT146	0.4	DT	Wet	Y	Bagged	N	N
11	DT146	4.6	DT	Wet	Y	Bagged	N	N

2425 New Holland Pike
Lancaster, PA 17605-2425
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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: October 05, 2018 10:39

Project: DSWA (CIL)

Account #: 20080
Group Number: 1983068
PO Number: 294388
Release Number: 10-2671-21
State of Sample Origin: DE

Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
EB/N2 Water	09/04/2018 07:40	9784823
CI-MPS Grab #1-4 Composite Leachate	09/04/2018 09:08 - 09/04/2018 15:00	9784824

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 07:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784823
ELLE Group #: 1983068
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	3 J	0.8	20	1
10335	Acrolein	107-02-8	N.D.	3	100	1
10335	Acrylonitrile	107-13-1	N.D.	0.4	20	1
10335	Benzene	71-43-2	N.D.	0.2	1	1
10335	Bromochloromethane	74-97-5	N.D.	0.4	5	1
10335	Bromodichloromethane	75-27-4	N.D.	0.2	1	1
10335	Bromoform	75-25-2	N.D.	2	5	1
10335	Bromomethane	74-83-9	N.D.	0.5	1	1
10335	2-Butanone	78-93-3	10	1	10	1
10335	Carbon Disulfide	75-15-0	N.D.	0.3	5	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.2	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.2	1	1
10335	Chloroethane	75-00-3	N.D.	0.3	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.4	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	0.3 J	0.2	1	1
10335	Chloromethane	74-87-3	N.D.	0.3	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	1	5	1
10335	Dibromochloromethane	124-48-1	N.D.	0.4	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.3	1	1
10335	Dibromomethane	74-95-3	N.D.	0.2	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	4	50	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.2	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	2	5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.2	1	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.2	1	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.2	1	1
10335	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.2	1	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.2	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	0.2	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.2	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.2	1	1
10335	1,3-Dichloropropene (total)	542-75-6	N.D.	0.4	5	1
10335	Ethyl ether	60-29-7	N.D.	0.7	5	1
10335	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10335	2-Hexanone	591-78-6	N.D.	3	10	1
10335	Methyl Iodide	74-88-4	N.D.	0.2	1	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.5	10	1
10335	Methylene Chloride	75-09-2	0.3 J	0.2	1	1
10335	Styrene	100-42-5	N.D.	0.2	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.4	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.2	1	1

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 07:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784823
ELLE Group #: 1983068
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Tetrachloroethene	127-18-4	N.D.	0.2	1	1
10335	Tetrahydrofuran	109-99-9	7 J	0.9	10	1
10335	Toluene	108-88-3	0.4 J	0.2	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.2	1	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.2	1	1
10335	Trichloroethene	79-01-6	N.D.	0.2	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.4	1	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	5	1
10335	Vinyl Acetate	108-05-4	N.D.	0.7	10	1
10335	Vinyl Chloride	75-01-4	N.D.	0.4	1	1
10335	m+p-Xylene	179601-23-1	N.D.	0.5	2	1
10335	o-Xylene	95-47-6	N.D.	0.3	1	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C modified**		**ug/l**	**ug/l**	**ug/l**	
00382	Dioxin Screen	n.a.	N.D.	2	2	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Acenaphthene	83-32-9	N.D.	0.1	0.5	1
14241	Acenaphthylene	208-96-8	N.D.	0.1	0.5	1
14241	Acetophenone	98-86-2	N.D.	4	10	1
14241	Anthracene	120-12-7	N.D.	0.1	0.5	1
14241	Benzidine	92-87-5	N.D.	20	60	1
14241	Benzo(a)anthracene	56-55-3	N.D.	0.1	0.5	1
14241	Benzo(a)pyrene	50-32-8	N.D.	0.1	0.5	1
14241	Benzo(b)fluoranthene	205-99-2	N.D.	0.1	0.5	1
14241	Benzo(g,h,i)perylene	191-24-2	N.D.	0.1	0.5	1
14241	Benzo(k)fluoranthene	207-08-9	N.D.	0.1	0.5	1
14241	Benzyl alcohol	100-51-6	N.D.	10	30	1
14241	4-Bromophenyl-phenylether	101-55-3	N.D.	0.5	2	1
14241	Butylbenzylphthalate	85-68-7	N.D.	2	5	1
14241	Di-n-butylphthalate	84-74-2	N.D.	2	5	1
14241	4-Chloro-3-methylphenol	59-50-7	N.D.	0.5	2	1
14241	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.5	2	1
14241	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.5	2	1
14241	bis(2-Chloroisopropyl)ether	39638-32-9	N.D.	0.5	2	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
14241	2-Chloronaphthalene	91-58-7	N.D.	0.4	1	1
14241	2-Chlorophenol	95-57-8	N.D.	0.5	2	1
14241	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.5	2	1

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 07:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784823
ELLE Group #: 1983068
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Chrysene	218-01-9	N.D.	0.1	0.5	1
14241	Dibenz(a,h)anthracene	53-70-3	N.D.	0.1	0.5	1
14241	1,2-Dichlorobenzene	95-50-1	N.D.	0.5	2	1
14241	1,3-Dichlorobenzene	541-73-1	N.D.	0.5	2	1
14241	1,4-Dichlorobenzene	106-46-7	N.D.	0.5	2	1
14241	3,3'-Dichlorobenzidine	91-94-1	N.D.	3	10	1
14241	2,4-Dichlorophenol	120-83-2	N.D.	0.5	2	1
14241	Diethylphthalate	84-66-2	N.D.	2	5	1
14241	Dimethoate	60-51-5	N.D.	3	10	1
14241	2,4-Dimethylphenol	105-67-9	N.D.	3	10	1
14241	Dimethylphthalate	131-11-3	N.D.	2	5	1
14241	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	8	21	1
14241	2,4-Dinitrophenol	51-28-5	N.D.	14	30	1
14241	2,4-Dinitrotoluene	121-14-2	N.D.	1	5	1
14241	2,6-Dinitrotoluene	606-20-2	N.D.	0.5	2	1
14241	1,2-Diphenylhydrazine	122-66-7	N.D.	0.5	2	1
14241	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	5	11	1
14241	Fluoranthene	206-44-0	N.D.	0.1	0.5	1
14241	Fluorene	86-73-7	N.D.	0.1	0.5	1
14241	Hexachlorobenzene	118-74-1	N.D.	0.1	0.5	1
14241	Hexachlorobutadiene	87-68-3	N.D.	0.5	2	1
14241	Hexachlorocyclopentadiene	77-47-4	N.D.	5	11	1
14241	Hexachloroethane	67-72-1	N.D.	1	5	1
14241	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.1	0.5	1
14241	Isophorone	78-59-1	N.D.	0.5	2	1
14241	2-Methylnaphthalene	91-57-6	N.D.	0.1	0.5	1
14241	2-Methylphenol	95-48-7	N.D.	0.5	2	1
14241	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14241	Naphthalene	91-20-3	N.D.	0.1	0.5	1
14241	2-Naphthylamine	91-59-8	N.D.	7	21	1
14241	Nitrobenzene	98-95-3	N.D.	0.5	2	1
14241	2-Nitrophenol	88-75-5	N.D.	3	10	1
14241	4-Nitrophenol	100-02-7	N.D.	10	30	1
14241	N-Nitrosodimethylamine	62-75-9	N.D.	2	5	1
14241	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.7	3	1
14241	N-Nitrosodiphenylamine	86-30-6	N.D.	0.7	3	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
14241	Di-n-octylphthalate	117-84-0	N.D.	5	11	1

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 07:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784823
ELLE Group #: 1983068
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Pentachlorophenol	87-86-5	N.D.	1	5	1
14241	Phenanthrene	85-01-8	N.D.	0.1	0.5	1
14241	Phenol	108-95-2	N.D.	0.5	2	1
14241	Pyrene	129-00-0	N.D.	0.1	0.5	1
14241	Pyridine	110-86-1	N.D.	2	5	1
14241	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.5	2	1
14241	2,4,5-Trichlorophenol	95-95-4	N.D.	0.5	2	1
14241	2,4,6-Trichlorophenol	88-06-2	N.D.	0.5	2	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial.

Herbicides	**SW-846 8151A**		**ug/l**	**ug/l**	**ug/l**	
10407	2,4-D	94-75-7	N.D. D1	0.24	0.57	1
10407	Dicamba	1918-00-9	N.D. D1	0.076	0.29	1
10407	2,4-DP (Dichlorprop)	120-36-5	N.D. D1	0.15	0.48	1
10407	2,4,5-T	93-76-5	N.D. D1	0.062	0.14	1
10407	2,4,5-TP	93-72-1	N.D. D1	0.0095	0.048	1
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.081	0.40	1
10591	PCB-1221	11104-28-2	N.D. D1	0.081	0.40	1
10591	PCB-1232	11141-16-5	N.D. D1	0.16	0.40	1
10591	PCB-1242	53469-21-9	N.D. D1	0.081	0.40	1
10591	PCB-1248	12672-29-6	N.D. D1	0.081	0.40	1
10591	PCB-1254	11097-69-1	N.D. D1	0.081	0.40	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.40	1
10591	Total PCBs	1336-36-3	N.D.	0.081	0.40	1
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	
10589	Aldrin	309-00-2	N.D. D2	0.0016	0.0081	1
10589	Alpha BHC	319-84-6	N.D. D2	0.0024	0.0081	1
10589	Beta BHC	319-85-7	0.0054 JD1	0.0027	0.0081	1
10589	Gamma BHC - Lindane	58-89-9	N.D. D1	0.0016	0.0081	1
10589	Alpha Chlordane	5103-71-9	N.D. D2	0.0024	0.0081	1
10589	Gamma Chlordane	5103-74-2	N.D. D1	0.0056	0.016	1
10589	p,p-DDD	72-54-8	N.D. D1	0.0040	0.016	1
10589	p,p-DDE	72-55-9	N.D. D2	0.0040	0.016	1
10589	p,p-DDT	50-29-3	N.D. D1	0.0042	0.016	1
10589	Delta BHC	319-86-8	N.D. D1	0.0027	0.0081	1
10589	Dieldrin	60-57-1	N.D. D1	0.0043	0.016	1
10589	Endosulfan I	959-98-8	N.D. D1	0.0035	0.0081	1

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 07:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784823
ELLE Group #: 1983068
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	
10589	Endosulfan II	33213-65-9	N.D. D1	0.012	0.024	1
10589	Endosulfan Sulfate	1031-07-8	N.D. D2	0.0047	0.016	1
10589	Endrin	72-20-8	N.D. D1	0.0065	0.016	1
10589	Endrin Aldehyde	7421-93-4	N.D. D1	0.016	0.081	1
10589	Endrin Ketone	53494-70-5	N.D. D2	0.0040	0.016	1
10589	Heptachlor	76-44-8	N.D. D1	0.0016	0.0081	1
10589	Heptachlor Epoxide	1024-57-3	N.D. D1	0.0019	0.0081	1
10589	Methoxychlor	72-43-5	N.D. D1	0.024	0.081	1
10589	Toxaphene	8001-35-2	N.D. D1	0.24	0.81	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following action was taken:
The sample was re-extracted and the QC is again outside of the acceptance limits. The data is reported from the initial trial.

Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0125 J	0.0100	0.100	1
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07046	Barium	7440-39-3	N.D.	0.0010	0.0100	1
07047	Beryllium	7440-41-7	N.D.	0.0010	0.0100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07052	Cobalt	7440-48-4	0.0015 J	0.0015	0.0100	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium	7439-95-4	0.0337 J	0.0190	0.200	1
07060	Molybdenum	7439-98-7	N.D.	0.0020	0.0200	1
07061	Nickel	7440-02-0	N.D.	0.0031	0.0200	1
07036	Selenium	7782-49-2	N.D.	0.0210	0.100	1
07066	Silver	7440-22-4	N.D.	0.0050	0.0200	1
07022	Thallium	7440-28-0	N.D.	0.0140	0.0600	1
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1
07071	Vanadium	7440-62-2	N.D.	0.0030	0.0200	1
07072	Zinc	7440-66-6	N.D.	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**SW-846 9012B**		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)	57-12-5	N.D.	0.0050	0.010	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 07:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784823
ELLE Group #: 1983068
Matrix: Water

CAT No.	Analysis Name		CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry		**EPA 120.1**		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance		n.a.	N.D.	1.7	5.0	1
		EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH		n.a.	23.8	0.010	0.010	1
		SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids		n.a.	N.D.	1.00	3.00	1
		SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH		n.a.	6.44	0.01	0.01	1
		SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen		7664-41-7	N.D.	0.08	0.24	1
		SM 4500-S2 F-2011		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide		18496-25-8	1.9 J	0.70	2.0	1
		SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD		n.a.	N.D.	2.00	2.00	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y182541AA	09/11/2018 15:20	Laura Duquette	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y182541AA	09/11/2018 15:20	Laura Duquette	1
00382	Dioxin Screen	SW-846 8270C modified	1	18248WDP026	09/13/2018 10:16	Edward C Monborne	1
14241	SVOAs 8270D MINI	SW-846 8270D	1	18248WAP026	09/11/2018 00:26	Brandon K Cordova	1
11010	8270D BNA Extraction	SW-846 3510C	1	18248WAP026	09/06/2018 08:30	Logan M Brosemer	1
10407	DNREC 5 Herbicides	SW-846 8151A	1	182500023A	09/10/2018 17:51	Heather M Miller	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182500056A	09/12/2018 00:41	Kirby B Turner	1
10589	OC Pesticides in Water	SW-846 8081B	1	182500055A	09/14/2018 17:54	Andrea L Jones	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182500056A	09/10/2018 22:30	Karen L Beyer	1
11120	Pesticide Waters Update IV Ext	SW-846 3510C	1	182500055A	09/10/2018 22:30	Karen L Beyer	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	182500023A	09/09/2018 15:00	Ryan J Dowdy	1
07044	Antimony	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07035	Arsenic	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07046	Barium	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07049	Cadmium	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 07:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784823
ELLE Group #: 1983068
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01757	Magnesium	SW-846 6010C	1	182481063501	09/09/2018 10:18	Jonathan J Allen	1
07060	Molybdenum	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	182481063501	09/09/2018 10:18	Jonathan J Allen	1
07036	Selenium	SW-846 6010C	1	182481063501	09/09/2018 10:18	Jonathan J Allen	1
07066	Silver	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07022	Thallium	SW-846 6010C	1	182481063501	09/09/2018 10:18	Jonathan J Allen	1
07069	Tin	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	182481063501	09/06/2018 21:32	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	182480571304	09/06/2018 10:01	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182481063501	09/06/2018 04:25	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182480571304	09/05/2018 17:00	JoElla L Rice	1
08255	Total Cyanide (water)	SW-846 9012B	1	18248117101B	09/06/2018 19:00	Gregory Baldree	1
14088	Phenols (water)	SW-846 9066	1	18257126101A	09/14/2018 14:45	Brianna A Poole	1
08256	Cyanide Water Distillation	SW-846 9012B	1	18248117101B	09/05/2018 06:40	Nancy J Shoop	1
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 03:11	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 03:11	Jeremy L Bolf	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18249145701A	09/06/2018 13:48	Angelica Cintron	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 03:11	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18254005201A	09/11/2018 13:14	Michelle L Lalli	1
01333	Sulfide	SM 4500-S2 F-2011	1	18250133301A	09/07/2018 10:10	Kevin Litwa	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18248141082A	09/05/2018 18:41	Joseph Knisely	1

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Grab #1-4 Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 09:08 through 09/04/2018 15:00

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784824
ELLE Group #: 1983068
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	100	4	100	5
10335	Acrolein	107-02-8	N.D.	15	500	5
10335	Acrylonitrile	107-13-1	N.D.	2	100	5
10335	Benzene	71-43-2	6	1	5	5
10335	Bromochloromethane	74-97-5	N.D.	2	25	5
10335	Bromodichloromethane	75-27-4	N.D.	1	5	5
10335	Bromoform	75-25-2	N.D.	10	25	5
10335	Bromomethane	74-83-9	N.D.	3	5	5
10335	2-Butanone	78-93-3	59	5	50	5
10335	Carbon Disulfide	75-15-0	N.D.	2	25	5
10335	Carbon Tetrachloride	56-23-5	N.D.	1	5	5
10335	Chlorobenzene	108-90-7	10	1	5	5
10335	Chloroethane	75-00-3	N.D.	2	5	5
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	50	5
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	1	5	5
10335	Chloromethane	74-87-3	N.D.	2	5	5
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	5	25	5
10335	Dibromochloromethane	124-48-1	N.D.	2	5	5
10335	1,2-Dibromoethane	106-93-4	N.D.	2	5	5
10335	Dibromomethane	74-95-3	N.D.	1	5	5
10335	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	20	250	5
10335	1,1-Dichloroethane	75-34-3	N.D.	1	5	5
10335	1,2-Dichloroethane	107-06-2	N.D.	10	25	5
10335	1,1-Dichloroethene	75-35-4	N.D.	1	5	5
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	1	5	5
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	1	5	5
10335	1,2-Dichloroethene (Total)	540-59-0	N.D.	1	5	5
10335	1,2-Dichloropropane	78-87-5	N.D.	1	5	5
10335	1,3-Dichloropropane	142-28-9	N.D.	1	5	5
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	5
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	5
10335	1,3-Dichloropropene (total)	542-75-6	N.D.	2	25	5
10335	Ethyl ether	60-29-7	4 J	4	25	5
10335	Ethylbenzene	100-41-4	1 J	1	5	5
10335	2-Hexanone	591-78-6	N.D.	15	50	5
10335	Methyl Iodide	74-88-4	N.D.	1	5	5
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	50	5
10335	Methylene Chloride	75-09-2	N.D.	1	5	5
10335	Styrene	100-42-5	N.D.	1	25	5
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	2	5	5
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	5

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Grab #1-4 Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/04/2018 17:34
Collection Date/Time: 09/04/2018 09:08 through 09/04/2018 15:00

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9784824
ELLE Group #: 1983068
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Tetrachloroethene	127-18-4	N.D.	1	5	5
10335	Tetrahydrofuran	109-99-9	120	5	50	5
10335	Toluene	108-88-3	1 J	1	5	5
10335	1,1,1-Trichloroethane	71-55-6	N.D.	1	5	5
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1	5	5
10335	Trichloroethene	79-01-6	N.D.	1	5	5
10335	Trichlorofluoromethane	75-69-4	N.D.	2	5	5
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	25	5
10335	Vinyl Acetate	108-05-4	N.D.	4	50	5
10335	Vinyl Chloride	75-01-4	N.D.	2	5	5
10335	m+p-Xylene	179601-23-1	N.D.	3	10	5
10335	o-Xylene	95-47-6	N.D.	2	5	5
10335	Xylene (Total)	1330-20-7	N.D.	3	25	5

Reporting limits were raised due to sample foaming.

A preserved vial was submitted for analysis. However, the pH at the time of analysis was 7.

Sample Comments

The VOC analysis was performed from a 4 point lab composite. The individual samples were collected on 09/04/18 at 9:08, 10:35, 13:49, and 15:00.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y182561AA	09/13/2018 14:42	Laura Duquette	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y182561AA	09/13/2018 14:42	Laura Duquette	5

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: Y182541AA	Sample number(s): 9784823		
Acetone	N.D.	0.8	20
Acrolein	N.D.	3	100
Acrylonitrile	N.D.	0.4	20
Benzene	N.D.	0.2	1
Bromochloromethane	N.D.	0.4	5
Bromodichloromethane	N.D.	0.2	1
Bromoform	N.D.	2	5
Bromomethane	N.D.	0.5	1
2-Butanone	N.D.	1	10
Carbon Disulfide	N.D.	0.3	5
Carbon Tetrachloride	N.D.	0.2	1
Chlorobenzene	N.D.	0.2	1
Chloroethane	N.D.	0.3	1
2-Chloroethyl Vinyl Ether	N.D.	0.4	10
Chloroform	N.D.	0.2	1
Chloromethane	N.D.	0.3	1
1,2-Dibromo-3-chloropropane	N.D.	1	5
Dibromochloromethane	N.D.	0.4	1
1,2-Dibromoethane	N.D.	0.3	1
Dibromomethane	N.D.	0.2	1
trans-1,4-Dichloro-2-butene	N.D.	4	50
1,1-Dichloroethane	N.D.	0.2	1
1,2-Dichloroethane	N.D.	2	5
1,1-Dichloroethene	N.D.	0.2	1
cis-1,2-Dichloroethene	N.D.	0.2	1
trans-1,2-Dichloroethene	N.D.	0.2	1
1,2-Dichloroethene (Total)	N.D.	0.2	1
1,2-Dichloropropane	N.D.	0.2	1
1,3-Dichloropropane	N.D.	0.2	1
cis-1,3-Dichloropropene	N.D.	0.2	1
trans-1,3-Dichloropropene	N.D.	0.2	1
1,3-Dichloropropene (total)	N.D.	0.4	5
Ethyl ether	N.D.	0.7	5
Ethylbenzene	N.D.	0.2	1
2-Hexanone	N.D.	3	10
Methyl Iodide	N.D.	0.2	1
4-Methyl-2-pentanone	N.D.	0.5	10
Methylene Chloride	N.D.	0.2	1
Styrene	N.D.	0.2	5

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
1,1,1,2-Tetrachloroethane	N.D.	0.4	1
1,1,2,2-Tetrachloroethane	N.D.	0.2	1
Tetrachloroethene	N.D.	0.2	1
Tetrahydrofuran	N.D.	0.9	10
Toluene	N.D.	0.2	1
1,1,1-Trichloroethane	N.D.	0.2	1
1,1,2-Trichloroethane	N.D.	0.2	1
Trichloroethene	N.D.	0.2	1
Trichlorofluoromethane	N.D.	0.4	1
1,2,3-Trichloropropane	N.D.	0.2	5
Vinyl Acetate	N.D.	0.7	10
Vinyl Chloride	N.D.	0.4	1
m+p-Xylene	N.D.	0.5	2
o-Xylene	N.D.	0.3	1
Xylene (Total)	N.D.	0.5	5
Batch number: Y182561AA	Sample number(s): 9784824		
Acetone	N.D.	0.8	20
Acrolein	N.D.	3	100
Acrylonitrile	N.D.	0.4	20
Benzene	N.D.	0.2	1
Bromochloromethane	N.D.	0.4	5
Bromodichloromethane	N.D.	0.2	1
Bromoform	N.D.	2	5
Bromomethane	N.D.	0.5	1
2-Butanone	N.D.	1	10
Carbon Disulfide	N.D.	0.3	5
Carbon Tetrachloride	N.D.	0.2	1
Chlorobenzene	N.D.	0.2	1
Chloroethane	N.D.	0.3	1
2-Chloroethyl Vinyl Ether	N.D.	0.4	10
Chloroform	N.D.	0.2	1
Chloromethane	N.D.	0.3	1
1,2-Dibromo-3-chloropropane	N.D.	1	5
Dibromochloromethane	N.D.	0.4	1
1,2-Dibromoethane	N.D.	0.3	1
Dibromomethane	N.D.	0.2	1
trans-1,4-Dichloro-2-butene	N.D.	4	50
1,1-Dichloroethane	N.D.	0.2	1
1,2-Dichloroethane	N.D.	2	5
1,1-Dichloroethene	N.D.	0.2	1
cis-1,2-Dichloroethene	N.D.	0.2	1
trans-1,2-Dichloroethene	N.D.	0.2	1
1,2-Dichloroethene (Total)	N.D.	0.2	1
1,2-Dichloropropane	N.D.	0.2	1

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
1,3-Dichloropropane	N.D.	0.2	1
cis-1,3-Dichloropropene	N.D.	0.2	1
trans-1,3-Dichloropropene	N.D.	0.2	1
1,3-Dichloropropene (total)	N.D.	0.4	5
Ethyl ether	N.D.	0.7	5
Ethylbenzene	N.D.	0.2	1
2-Hexanone	N.D.	3	10
Methyl Iodide	N.D.	0.2	1
4-Methyl-2-pentanone	N.D.	0.5	10
Methylene Chloride	N.D.	0.2	1
Styrene	N.D.	0.2	5
1,1,1,2-Tetrachloroethane	N.D.	0.4	1
1,1,2,2-Tetrachloroethane	N.D.	0.2	1
Tetrachloroethene	N.D.	0.2	1
Tetrahydrofuran	N.D.	0.9	10
Toluene	N.D.	0.2	1
1,1,1-Trichloroethane	N.D.	0.2	1
1,1,2-Trichloroethane	N.D.	0.2	1
Trichloroethene	N.D.	0.2	1
Trichlorofluoromethane	N.D.	0.4	1
1,2,3-Trichloropropane	N.D.	0.2	5
Vinyl Acetate	N.D.	0.7	10
Vinyl Chloride	N.D.	0.4	1
m+p-Xylene	N.D.	0.5	2
o-Xylene	N.D.	0.3	1
Xylene (Total)	N.D.	0.5	5
Batch number: 18248WAP026	Sample number(s): 9784823		
Acenaphthene	N.D.	0.1	0.5
Acenaphthylene	N.D.	0.1	0.5
Acetophenone	N.D.	4	10
Anthracene	N.D.	0.1	0.5
Benzidine	N.D.	20	60
Benzo(a)anthracene	N.D.	0.1	0.5
Benzo(a)pyrene	N.D.	0.1	0.5
Benzo(b)fluoranthene	N.D.	0.1	0.5
Benzo(g,h,i)perylene	N.D.	0.1	0.5
Benzo(k)fluoranthene	N.D.	0.1	0.5
Benzyl alcohol	N.D.	10	30
4-Bromophenyl-phenylether	N.D.	0.5	2
Butylbenzylphthalate	N.D.	2	5
Di-n-butylphthalate	N.D.	2	5
4-Chloro-3-methylphenol	N.D.	0.5	2
bis(2-Chloroethoxy)methane	N.D.	0.5	2
bis(2-Chloroethyl)ether	N.D.	0.5	2

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
bis(2-Chloroisopropyl)ether	N.D.	0.5	2
2-Chloronaphthalene	N.D.	0.4	1
2-Chlorophenol	N.D.	0.5	2
4-Chlorophenyl-phenylether	N.D.	0.5	2
Chrysene	N.D.	0.1	0.5
Dibenz(a,h)anthracene	N.D.	0.1	0.5
1,2-Dichlorobenzene	N.D.	0.5	2
1,3-Dichlorobenzene	N.D.	0.5	2
1,4-Dichlorobenzene	N.D.	0.5	2
3,3'-Dichlorobenzidine	N.D.	3	10
2,4-Dichlorophenol	N.D.	0.5	2
Diethylphthalate	N.D.	2	5
Dimethoate	N.D.	3	10
2,4-Dimethylphenol	N.D.	3	10
Dimethylphthalate	N.D.	2	5
4,6-Dinitro-2-methylphenol	N.D.	8	21
2,4-Dinitrophenol	N.D.	14	30
2,4-Dinitrotoluene	N.D.	1	5
2,6-Dinitrotoluene	N.D.	0.5	2
1,2-Diphenylhydrazine	N.D.	0.5	2
bis(2-Ethylhexyl)phthalate	N.D.	5	11
Fluoranthene	N.D.	0.1	0.5
Fluorene	N.D.	0.1	0.5
Hexachlorobenzene	N.D.	0.1	0.5
Hexachlorobutadiene	N.D.	0.5	2
Hexachlorocyclopentadiene	N.D.	5	11
Hexachloroethane	N.D.	1	5
Indeno(1,2,3-cd)pyrene	N.D.	0.1	0.5
Isophorone	N.D.	0.5	2
2-Methylnaphthalene	N.D.	0.1	0.5
2-Methylphenol	N.D.	0.5	2
4-Methylphenol	N.D.	0.5	2
Naphthalene	N.D.	0.1	0.5
2-Naphthylamine	N.D.	7	21
Nitrobenzene	N.D.	0.5	2
2-Nitrophenol	N.D.	3	10
4-Nitrophenol	N.D.	10	30
N-Nitrosodimethylamine	N.D.	2	5
N-Nitroso-di-n-propylamine	N.D.	0.7	3
N-Nitrosodiphenylamine	N.D.	0.7	3
Di-n-octylphthalate	N.D.	5	11
Pentachlorophenol	N.D.	1	5
Phenanthrene	N.D.	0.1	0.5
Phenol	N.D.	0.5	2
Pyrene	N.D.	0.1	0.5

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Pyridine	N.D.	2	5
1,2,4-Trichlorobenzene	N.D.	0.5	2
2,4,5-Trichlorophenol	N.D.	0.5	2
2,4,6-Trichlorophenol	N.D.	0.5	2
Batch number: 182500023A	Sample number(s): 9784823		
2,4-D	N.D.	0.25	0.60
Dicamba	N.D.	0.080	0.30
2,4-DP (Dichlorprop)	N.D.	0.16	0.50
2,4,5-T	N.D.	0.065	0.15
2,4,5-TP	N.D.	0.010	0.050
Batch number: 182500056A	Sample number(s): 9784823		
PCB-1016	N.D.	0.080	0.40
PCB-1221	N.D.	0.080	0.40
PCB-1232	N.D.	0.16	0.40
PCB-1242	N.D.	0.080	0.40
PCB-1248	N.D.	0.080	0.40
PCB-1254	N.D.	0.080	0.40
PCB-1260	N.D.	0.12	0.40
Total PCBs	N.D.	0.080	0.40
Batch number: 182500055A	Sample number(s): 9784823		
Aldrin	N.D.	0.0016	0.0080
Alpha BHC	N.D.	0.0024	0.0080
Beta BHC	N.D.	0.0027	0.0080
Gamma BHC - Lindane	N.D.	0.0016	0.0080
Alpha Chlordane	N.D.	0.0024	0.0080
Gamma Chlordane	N.D.	0.0056	0.016
p,p-DDD	N.D.	0.0040	0.016
p,p-DDE	N.D.	0.0040	0.016
p,p-DDT	N.D.	0.0042	0.016
Delta BHC	N.D.	0.0027	0.0080
Dieldrin	N.D.	0.0042	0.016
Endosulfan I	N.D.	0.0034	0.0080
Endosulfan II	N.D.	0.012	0.024
Endosulfan Sulfate	N.D.	0.0046	0.016
Endrin	N.D.	0.0065	0.016
Endrin Aldehyde	N.D.	0.016	0.080
Endrin Ketone	N.D.	0.0040	0.016
Heptachlor	N.D.	0.0016	0.0080
Heptachlor Epoxide	N.D.	0.0018	0.0080
Methoxychlor	N.D.	0.024	0.080
Toxaphene	N.D.	0.24	0.80
	mg/l	mg/l	mg/l
Batch number: 182480571304	Sample number(s): 9784823		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Mercury	N.D.	0.000050	0.00020
Batch number: 182481063501	Sample number(s): 9784823		
Antimony	N.D.	0.0100	0.100
Arsenic	N.D.	0.0160	0.100
Barium	N.D.	0.0010	0.0100
Beryllium	N.D.	0.0010	0.0100
Cadmium	N.D.	0.0010	0.0100
Chromium	N.D.	0.0053	0.0300
Cobalt	N.D.	0.0015	0.0100
Copper	N.D.	0.0062	0.0400
Lead	0.0106 J	0.0071	0.0300
Magnesium	N.D.	0.0190	0.200
Molybdenum	N.D.	0.0020	0.0200
Nickel	N.D.	0.0031	0.0200
Selenium	N.D.	0.0210	0.100
Silver	N.D.	0.0050	0.0200
Thallium	N.D.	0.0140	0.0600
Tin	N.D.	0.0070	0.100
Vanadium	N.D.	0.0030	0.0200
Zinc	N.D.	0.0030	0.0400
Batch number: 18248117101B	Sample number(s): 9784823		
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18257126101A	Sample number(s): 9784823		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18249145701A	Sample number(s): 9784823		
Total Suspended Solids	N.D.	1.00	3.00
Batch number: 18250133301A	Sample number(s): 9784823		
Sulfide	N.D.	0.70	2.0
Batch number: 18254005201A	Sample number(s): 9784823		
Ammonia-Nitrogen	N.D.	0.08	0.24
	umhos/cm	umhos/cm	umhos/cm
Batch number: 18249005104A	Sample number(s): 9784823		
Specific Conductance	N.D.	1.7	5.0

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y182541AA	Sample number(s): 9784823								
Acetone	150	227.97			152		54-157		
Acrolein	150	198.43			132		47-136		
Acrylonitrile	100	123.2			123		60-129		
Benzene	20	23.38			117		80-120		
Bromochloromethane	20	21.46			107		80-120		
Bromodichloromethane	20	19.16			96		71-120		
Bromoform	20	16.14			81		51-120		
Bromomethane	20	12.77			64		53-128		
2-Butanone	150	180.58			120		59-135		
Carbon Disulfide	20	20.87			104		65-128		
Carbon Tetrachloride	20	17.93			90		64-134		
Chlorobenzene	20	22.54			113		80-120		
Chloroethane	20	14.9			75		55-123		
2-Chloroethyl Vinyl Ether	20	18.09			90		49-124		
Chloroform	20	21.5			107		80-120		
Chloromethane	20	14.62			73		56-121		
1,2-Dibromo-3-chloropropane	20	16.5			83		47-131		
Dibromochloromethane	20	17.72			89		71-120		
1,2-Dibromoethane	20	21.23			106		77-120		
Dibromomethane	20	20.73			104		80-120		
trans-1,4-Dichloro-2-butene	100	94.98			95		33-143		
1,1-Dichloroethane	20	22.64			113		80-120		
1,2-Dichloroethane	20	19.78			99		73-124		
1,1-Dichloroethene	20	24.23			121		80-131		
cis-1,2-Dichloroethene	20	23.4			117		80-120		
trans-1,2-Dichloroethene	20	23.6			118		80-120		
1,2-Dichloroethene (Total)	40	47			118		80-120		
1,2-Dichloropropane	20	23.35			117		80-120		
1,3-Dichloropropane	20	22.4			112		80-120		
cis-1,3-Dichloropropene	20	19.81			99		75-120		
trans-1,3-Dichloropropene	20	17.18			86		67-120		
1,3-Dichloropropene (total)	40	36.99			92		70-120		
Ethyl ether	20	24.14			121		59-141		
Ethylbenzene	20	22.4			112		80-120		
2-Hexanone	100	121.76			122		56-135		
Methyl Iodide	20	21.88			109		73-125		
4-Methyl-2-pentanone	100	120.83			121		62-133		
Methylene Chloride	20	23.69			118		80-120		
Styrene	20	22.03			110		80-120		
1,1,1,2-Tetrachloroethane	20	18.94			95		78-120		
1,1,2,2-Tetrachloroethane	20	20.95			105		72-120		
Tetrachloroethene	20	23.8			119		80-120		
Tetrahydrofuran	100	143.72			144		54-144		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Toluene	20	23.16			116		80-120		
1,1,1-Trichloroethane	20	18.72			94		67-126		
1,1,2-Trichloroethane	20	22.8			114		80-120		
Trichloroethene	20	21.86			109		80-120		
Trichlorofluoromethane	20	14.3			71		55-135		
1,2,3-Trichloropropane	20	21.56			108		75-124		
Vinyl Acetate	100	125.78			126		63-145		
Vinyl Chloride	20	14.56			73		56-120		
m+p-Xylene	40	45.28			113		80-120		
o-Xylene	20	21.27			106		80-120		
Xylene (Total)	60	66.55			111		80-120		
Batch number: Y182561AA	Sample number(s): 9784824								
Acetone	150	207.49	150	210.48	138	140	54-157	1	30
Acrolein	150	195.27	150	189.21	130	126	47-136	3	30
Acrylonitrile	100	114.84	100	114.35	115	114	60-129	0	30
Benzene	20	22.96	20	22.69	115	113	80-120	1	30
Bromochloromethane	20	20.7	20	20.61	103	103	80-120	0	30
Bromodichloromethane	20	18.92	20	18.69	95	93	71-120	1	30
Bromoform	20	16.66	20	16.68	83	83	51-120	0	30
Bromomethane	20	13.38	20	13.51	67	68	53-128	1	30
2-Butanone	150	172.52	150	175.91	115	117	59-135	2	30
Carbon Disulfide	20	19.83	20	19.65	99	98	65-128	1	30
Carbon Tetrachloride	20	17.29	20	17.25	86	86	64-134	0	30
Chlorobenzene	20	22.23	20	21.98	111	110	80-120	1	30
Chloroethane	20	15.63	20	15.69	78	78	55-123	0	30
2-Chloroethyl Vinyl Ether	20	22.31	20	22.57	112	113	49-124	1	30
Chloroform	20	20.73	20	20.4	104	102	80-120	2	30
Chloromethane	20	16.73	20	16.89	84	84	56-121	1	30
1,2-Dibromo-3-chloropropane	20	15.78	20	16.04	79	80	47-131	2	30
Dibromochloromethane	20	17.57	20	17.66	88	88	71-120	1	30
1,2-Dibromoethane	20	21.44	20	21.06	107	105	77-120	2	30
Dibromomethane	20	20.22	20	20.19	101	101	80-120	0	30
trans-1,4-Dichloro-2-butene	100	106.76	100	107.03	107	107	33-143	0	30
1,1-Dichloroethane	20	22.19	20	21.94	111	110	80-120	1	30
1,2-Dichloroethane	20	19.5	20	19.19	97	96	73-124	2	30
1,1-Dichloroethene	20	23.89	20	23.19	119	116	80-131	3	30
cis-1,2-Dichloroethene	20	22.49	20	22.29	112	111	80-120	1	30
trans-1,2-Dichloroethene	20	22.64	20	22.44	113	112	80-120	1	30
1,2-Dichloroethene (Total)	40	45.14	40	44.73	113	112	80-120	1	30
1,2-Dichloropropane	20	22.96	20	22.81	115	114	80-120	1	30
1,3-Dichloropropane	20	22.29	20	22.4	111	112	80-120	0	30
cis-1,3-Dichloropropene	20	20.53	20	20.53	103	103	75-120	0	30
trans-1,3-Dichloropropene	20	18.13	20	18.04	91	90	67-120	0	30

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,3-Dichloropropene (total)	40	38.66	40	38.57	97	96	70-120	0	30
Ethyl ether	20	22.87	20	23.16	114	116	59-141	1	30
Ethylbenzene	20	21.93	20	21.72	110	109	80-120	1	30
2-Hexanone	100	118.69	100	119.97	119	120	56-135	1	30
Methyl Iodide	20	20.93	20	20.64	105	103	73-125	1	30
4-Methyl-2-pentanone	100	116.87	100	117.03	117	117	62-133	0	30
Methylene Chloride	20	22.69	20	22.57	113	113	80-120	1	30
Styrene	20	21.56	20	21.31	108	107	80-120	1	30
1,1,1,2-Tetrachloroethane	20	18.16	20	18.02	91	90	78-120	1	30
1,1,2,2-Tetrachloroethane	20	20.55	20	20.73	103	104	72-120	1	30
Tetrachloroethene	20	23.54	20	22.95	118	115	80-120	3	30
Tetrahydrofuran	100	135.07	100	129.4	135	129	54-144	4	30
Toluene	20	22.55	20	22.23	113	111	80-120	1	30
1,1,1-Trichloroethane	20	18.55	20	18.39	93	92	67-126	1	30
1,1,2-Trichloroethane	20	22.37	20	22.47	112	112	80-120	0	30
Trichloroethene	20	21.22	20	21.17	106	106	80-120	0	30
Trichlorofluoromethane	20	15.23	20	15.18	76	76	55-135	0	30
1,2,3-Trichloropropane	20	20.74	20	20.54	104	103	75-124	1	30
Vinyl Acetate	100	120.25	100	118.9	120	119	63-145	1	30
Vinyl Chloride	20	16.51	20	16.53	83	83	56-120	0	30
m+p-Xylene	40	43.83	40	43.58	110	109	80-120	1	30
o-Xylene	20	20.71	20	20.69	104	103	80-120	0	30
Xylene (Total)	60	64.53	60	64.27	108	107	80-120	0	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 18248WAP026	Sample number(s): 9784823								
Acenaphthene	50	42.1	50	43.3	84	87	62-119	3	30
Acenaphthylene	50	42.63	50	44.88	85	90	66-125	5	30
Acetophenone	50	46.78	50	47.95	94	96	62-114	2	30
Anthracene	50	47.06	50	47.41	94	95	70-118	1	30
Benzidine	250	8.66	250	10.73	3*	4*	10-86	21	30
Benzo(a)anthracene	50	45.91	50	47.08	92	94	70-123	3	30
Benzo(a)pyrene	50	47.16	50	48.21	94	96	71-122	2	30
Benzo(b)fluoranthene	50	44.82	50	44.82	90	90	70-120	0	30
Benzo(g,h,i)perylene	50	45.28	50	45.64	91	91	64-119	1	30
Benzo(k)fluoranthene	50	45.36	50	46.04	91	92	73-122	1	30
Benzyl alcohol	50	42.96	50	44.49	86	89	59-120	3	30
4-Bromophenyl-phenylether	50	46.76	50	48.98	94	98	64-119	5	30
Butylbenzylphthalate	50	44.98	50	45.08	90	90	57-119	0	30
Di-n-butylphthalate	50	43.55	50	45.79	87	92	71-113	5	30
4-Chloro-3-methylphenol	50	39.32	50	39.11	79	78	65-122	1	30
bis(2-Chloroethoxy)methane	50	48.48	50	49.18	97	98	64-119	1	30
bis(2-Chloroethyl)ether	50	43.09	50	43.49	86	87	60-110	1	30
bis(2-Chloroisopropyl)ether	50	41.31	50	41.77	83	84	50-119	1	30

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Chloronaphthalene	50	42.17	50	48.57	84	97	51-114	14	30
2-Chlorophenol	50	40.09	50	41.9	80	84	58-108	4	30
4-Chlorophenyl-phenylether	50	37.07	50	38.33	74	77	58-115	3	30
Chrysene	50	46	50	47.29	92	95	71-123	3	30
Dibenz(a,h)anthracene	50	48.19	50	50.34	96	101	67-123	4	30
1,2-Dichlorobenzene	50	42.44	50	42.52	85	85	43-108	0	30
1,3-Dichlorobenzene	50	41.6	50	40.92	83	82	31-110	2	30
1,4-Dichlorobenzene	50	41.39	50	41.82	83	84	30-109	1	30
3,3'-Dichlorobenzidine	50	39.11	50	38.13	78	76	36-116	3	30
2,4-Dichlorophenol	50	42.82	50	42.57	86	85	65-117	1	30
Diethylphthalate	50	31.29	50	32.5	63	65	61-111	4	30
Dimethoate	50	26.7	50	24.89	53	50	10-105	7	30
2,4-Dimethylphenol	50	33.53	50	34.86	67	70	52-106	4	30
Dimethylphthalate	50	37.93	50	40	76	80	37-116	5	30
4,6-Dinitro-2-methylphenol	50	44.94	50	51.17	90	102	63-129	13	30
2,4-Dinitrophenol	100	71.71	100	79.23	72	79	26-141	10	30
2,4-Dinitrotoluene	50	36.31	50	34.82	73	70	69-117	4	30
2,6-Dinitrotoluene	50	40.54	50	42.49	81	85	69-122	5	30
1,2-Diphenylhydrazine	50	46.8	50	50.14	94	100	71-127	7	30
bis(2-Ethylhexyl)phthalate	50	45.97	50	46.34	92	93	68-120	1	30
Fluoranthene	50	41.55	50	44.04	83	88	70-124	6	30
Fluorene	50	38.48	50	38.92	77	78	62-116	1	30
Hexachlorobenzene	50	47.66	50	52.14	95	104	65-121	9	30
Hexachlorobutadiene	50	41.67	50	41.01	83	82	21-114	2	30
Hexachlorocyclopentadiene	100	68.83	100	67.85	69	68	10-117	1	30
Hexachloroethane	50	39.53	50	39.92	79	80	24-100	1	30
Indeno(1,2,3-cd)pyrene	50	45.27	50	46.61	91	93	61-121	3	30
Isophorone	50	46.36	50	45.97	93	92	65-123	1	30
2-Methylnaphthalene	50	42.07	50	42.98	84	86	51-112	2	30
2-Methylphenol	50	42.39	50	44.36	85	89	59-109	5	30
4-Methylphenol	50	40.26	50	43.05	81	86	56-108	7	30
Naphthalene	50	42.24	50	41.7	84	83	54-107	1	30
2-Naphthylamine	100	20.88	100	20.57	21	21	10-94	1	30
Nitrobenzene	50	39.21	50	38.94	78	78	59-117	1	30
2-Nitrophenol	50	43.47	50	42.58	87	85	63-121	2	30
4-Nitrophenol	50	22.38	50	23.89	45	48	28-88	6	30
N-Nitrosodimethylamine	50	25.86	50	26.63	52	53	16-108	3	30
N-Nitroso-di-n-propylamine	50	51.2	50	53.2	102	106	61-118	4	30
N-Nitrosodiphenylamine	50	46.65	50	47.08	93	94	68-122	1	30
Di-n-octylphthalate	50	44.59	50	44.45	89	89	67-120	0	30
Pentachlorophenol	50	52.04	50	53.62	104	107	64-130	3	30
Phenanthrene	50	46.24	50	49.67	92	99	68-118	7	30
Phenol	50	23.83	50	23.47	48	47	23-82	2	30
Pyrene	50	42	50	42	84	84	68-118	0	30

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

LCS/LCSD (continued)

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Pyridine	50	19.87	50	20.72	40	41	13-83	4	30
1,2,4-Trichlorobenzene	50	42.28	50	41.6	85	83	38-116	2	30
2,4,5-Trichlorophenol	50	45.34	50	46.58	91	93	73-124	3	30
2,4,6-Trichlorophenol	50	44.37	50	49.3	89	99	69-122	11	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182500023A	Sample number(s): 9784823								
2,4-D	2.50	2.35	2.50	2.44	94	98	64-159	4	30
Dicamba	0.250	0.239	0.250	0.211	96	84	50-132	12	30
2,4-DP (Dichlorprop)	2.50	2.65	2.50	2.46	106	98	48-133	7	30
2,4,5-T	0.250	0.275	0.250	0.276	110	110	69-164	1	30
2,4,5-TP	0.250	0.278	0.250	0.258	111	103	57-136	8	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182500056A	Sample number(s): 9784823								
PCB-1016	5.00	3.79			76		60-117		
PCB-1260	5.05	4.59			91		57-134		
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182500055A	Sample number(s): 9784823								
Aldrin	0.100	0.0456			46		28-119		
Alpha BHC	0.102	0.0516			51		47-132		
Beta BHC	0.100	0.0499			50*		56-125		
Gamma BHC - Lindane	0.102	0.0506			50*		51-132		
Alpha Chlordane	0.100	0.0532			53		53-126		
Gamma Chlordane	0.100	0.0536			54		53-130		
p,p-DDD	0.204	0.125			61		42-148		
p,p-DDE	0.200	0.107			53		51-129		
p,p-DDT	0.204	0.129			63		40-145		
Delta BHC	0.100	0.0499			50		49-140		
Dieldrin	0.204	0.116			57		54-126		
Endosulfan I	0.102	0.0443			43		40-138		
Endosulfan II	0.200	0.107			54		54-124		
Endosulfan Sulfate	0.202	0.125			62		41-133		
Endrin	0.202	0.124			62		35-143		
Endrin Aldehyde	0.202	0.111			55		40-135		
Endrin Ketone	0.200	0.127			63		44-136		
Heptachlor	0.102	0.0466			46		38-135		
Heptachlor Epoxide	0.100	0.0548			55*		56-132		
Methoxychlor	1.02	0.693			68		39-143		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 182480571304	Sample number(s): 9784823								
Mercury	0.00100	0.000836			84		80-114		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 182481063501	Sample number(s): 9784823								
Antimony	0.500	0.530			106		90-117		
Arsenic	0.150	0.161			107		80-120		
Barium	2.00	2.02			101		87-111		
Beryllium	0.0500	0.0490			98		86-110		
Cadmium	0.0500	0.0523			105		90-111		
Chromium	0.200	0.200			100		87-110		
Cobalt	0.500	0.519			104		90-111		
Copper	0.250	0.267			107		90-115		
Lead	0.150	0.158			105		87-113		
Magnesium	2.00	2.07			104		88-114		
Molybdenum	2.00	2.03			102		85-112		
Nickel	0.500	0.529			106		90-114		
Selenium	0.150	0.149			99		80-120		
Silver	0.0500	0.0495			99		80-120		
Thallium	0.150	0.155			104		80-120		
Tin	4.00	4.01			100		89-110		
Vanadium	0.500	0.507			101		89-114		
Zinc	0.500	0.515			103		89-111		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18248117101B	Sample number(s): 9784823								
Total Cyanide (water)	0.200	0.191			96		90-110		
Batch number: 18257126101A	Sample number(s): 9784823								
Phenols (water)	0.250	0.252			101		82-109		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18248141082A	Sample number(s): 9784823								
Biochemical Oxygen Demand-BOD	198	194.3			98		85-115		
Batch number: 18249145701A	Sample number(s): 9784823								
Total Suspended Solids	150	138.3			92		74-118		
Batch number: 18250133301A	Sample number(s): 9784823								
Sulfide	20	17.62			88		80-120		
Batch number: 18254005201A	Sample number(s): 9784823								
Ammonia-Nitrogen	5.00	4.59			92		77-133		
	Std. Units	**Std. Units**	**Std. Units**	**Std. Units**					
Batch number: 18249005104A	Sample number(s): 9784823								
pH	7.00	7.00			100		95-105		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

LCS/LCSD (continued)

Analysis Name	LCS Spike Added umhos/cm	LCS Conc umhos/cm	LCSD Spike Added umhos/cm	LCSD Conc umhos/cm	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 18249005104A	Sample number(s): 9784823								
Specific Conductance	147	148.1			101		80-121		

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 5ml Water by 8260B
Batch number: Y182541AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9784823	97	104	100	93
Blank	96	103	100	94
LCS	97	101	102	98
Limits:	80-120	80-120	80-120	80-120

Analysis Name: VOCs- 5ml Water by 8260B
Batch number: Y182561AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9784824	93	102	99	95
Blank	94	102	99	95
LCS	95	101	101	98
LCSD	95	102	100	99
Limits:	80-120	80-120	80-120	80-120

Analysis Name: SVOAs 8270D MINI
Batch number: 18248WAP026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
9784823	31	45	78	67	86	88
Blank	34	47	82	67	85	99
LCS	38	56	75	72	79	89
LCSD	42	58	74	72	85	88
Limits:	10-72	10-85	29-133	30-111	39-105	27-126

Analysis Name: DNREC 5 Herbicides
Batch number: 182500023A

	2,4-DCAA-D1	2,4-DCAA-D2
9784823	85	79

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983068
Reported: 10/05/2018 10:39

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: DNREC 5 Herbicides
Batch number: 182500023A

	2,4-DCAA-D1	2,4-DCAA-D2
Blank	69	62
LCS	91	91
LCSD	84	82
Limits:	34-142	34-142

Analysis Name: OC Pesticides in Water
Batch number: 182500055A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9784823	76	43	69	45
Blank	85	61	77	64
LCS	49	41	47	42
Limits:	29-129	32-149	29-129	32-149

Analysis Name: PCBs in Water by 8082A
Batch number: 182500056A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9784823	84	42	81	41
Blank	61	44	60	42
LCS	77	44	77	41
Limits:	33-137	10-148	33-137	10-148

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A-20080 A.1903008 S. 9704023-24

Brickhouse Environmental
Environmental Consultants & Engineers
515 S. Franklin St. West Chester, PA 19382 610.692.6770 Fax 610.692.8650

For CIL Mixed Monthly Leachates

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #: | of
Lab Quote #:

Project Name: DSWA (CIL)
Project Location: Cherry Island Landfill
Project Number: 10-2671-21
Project Manager: Doug Schott
PO No: 294388
Bill To: Above
TAT [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X] Y dschott@brickhouse-environmental.com; anicolardi@brickhouse-environmental.com

Sample Description/Location (as it will appear on the lab report)	Sample	Time	*G or C	**Matrix	Total Cyanide in Water	Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mg, Hg, Mo, Ni, Se, Ag, Tl, Sn, V, Zn	Supplemental VOCs 8260	Supplemental Herbicides 8151	pH, Spec. Cond.	Ammonia-Nitrogen	Phenols (water)	Suppl. PCBs, Pesticides 8081, SVOCs 8270 + dioxin screen	BOD	TSS	Sulfide	Ammonia-Nitrogen			Sample/COC Comments/PID Response/Etc.
Container Type					P	P	gl v	gl	P	gl	gl	gl	P	P	gl	P			
Container Size					250 ml	250 ml	40 ml	1000 ml	250 ml	500 ml	250 ml	250 ml	500 ml	1000 ml	500 ml	1000 ml			
Preservative					NaOH/asc	HNO3	None	None	None	H2SO4	H2SO4	None	None	None	NaOH/ZnAc	H2SO4			
					ANALYSES/METHOD REQUESTED														
					Enter Number of Containers Per Sample or Field Results Below.														
~~CI-MPS Mixed 24-hr Composite~~			C	OL	1	1	*	2	1		1	4	1	1	1	1			
EB/N2	9/4/18	740	G	OL	1	1	3	2	1	1	1	4	1	1	1	1			
~~TB/N2~~			G	OL	1	1	2	2	1	1	1	2	1	1	1				
CI-MPS Grab #1	9/4/18	908	G	OL			3												*Supplemental VOCs analyzed from composite of grabs.
CI-MPS Grab #2	9/4/18	1035	G	OL			3												
CI-MPS Grab #3	9/4/18	1349	G	OL			3												
CI-MPS Grab #4	9/4/18	1500	G	OL			3												

Receipt Information (Receiving Lab)
Cooler Temp: 1.1, 2.2 Cooler #:
Therm. ID 142-02

	Y	N
Custody Seals Present?	[ ]	[X]
(If present) Seals Intact?	[ ]	[X]
Received on Ice?	[X]	[ ]
COC/Labels Agree?	[X]	[ ]
Cont. In Good Cond.?	[X]	[ ]
Correct Containers?	[X]	[ ]
Correct Sample Volumes?	[X]	[ ]
Correct Preservation?	[X]	[ ]

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other
Tracking #:

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/4/18	1605	2	9.4.18	1605
3	9.4.18	1734	4		
5			6		
7			8		
9			10	9.4.18	1734

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]
Special Processing: USACE [ ] Navy [ ]
State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE
Reportable to PADEP? Yes [ ]
Sample Disposal: Lab [X] Special [ ]
PWSID #
EDDS: Format Type-

* G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 1/12

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 225975

Group Number(s):

Client: Brickhouse

1903008

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/04/2018 17:34
Number of Packages:	2	Number of Projects:	3

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wanita Curry (14057) at 18:24 on 09/04/2018

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-02	2.2	DT	Wet	Y	Bagged	N
2	DT42-02	1.4	DT	Wet	Y	Bagged	N

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: October 05, 2018 13:58

Project: DSWA (CIL)

Account #: 20080
Group Number: 1983674
PO Number: 294388
Release Number: 10-2671-21
State of Sample Origin: DE

Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
CI-MPS Mixed 24-hr Composite Leachate	09/05/2018 09:45	9787594
TB/N2 Water	09/05/2018 09:46	9787595

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **CI-MPS Mixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787594
ELLE Group #: 1983674
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C modified**		**ug/l**	**ug/l**	**ug/l**	
00382	Dioxin Screen	n.a.	N.D.	0.5	0.5	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Acenaphthene	83-32-9	1	0.1	0.7	1
14241	Acenaphthylene	208-96-8	N.D.	0.1	0.7	1
14241	Acetophenone	98-86-2	N.D.	6	15	1
14241	Anthracene	120-12-7	1	0.1	0.7	1
14241	Benzidine	92-87-5	N.D.	29	87	1
14241	Benzo(a)anthracene	56-55-3	N.D.	0.1	0.7	1
14241	Benzo(a)pyrene	50-32-8	N.D.	0.1	0.7	1
14241	Benzo(b)fluoranthene	205-99-2	N.D.	0.1	0.7	1
14241	Benzo(g,h,i)perylene	191-24-2	N.D.	0.1	0.7	1
14241	Benzo(k)fluoranthene	207-08-9	N.D.	0.1	0.7	1
14241	Benzyl alcohol	100-51-6	N.D.	15	44	1
14241	4-Bromophenyl-phenylether	101-55-3	N.D.	0.7	3	1
14241	Butylbenzylphthalate	85-68-7	N.D.	3	7	1
14241	Di-n-butylphthalate	84-74-2	N.D.	3	7	1
14241	4-Chloro-3-methylphenol	59-50-7	N.D.	0.7	3	1
14241	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.7	3	1
14241	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.7	3	1
14241	bis(2-Chloroisopropyl)ether	39638-32-9	N.D.	0.7	3	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
14241	2-Chloronaphthalene	91-58-7	N.D.	0.6	1	1
14241	2-Chlorophenol	95-57-8	N.D.	0.7	3	1
14241	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.7	3	1
14241	Chrysene	218-01-9	N.D.	0.1	0.7	1
14241	Dibenz(a,h)anthracene	53-70-3	N.D.	0.1	0.7	1
14241	1,2-Dichlorobenzene	95-50-1	N.D.	0.7	3	1
14241	1,3-Dichlorobenzene	541-73-1	N.D.	0.7	3	1
14241	1,4-Dichlorobenzene	106-46-7	2 J	0.7	3	1
14241	3,3'-Dichlorobenzidine	91-94-1	N.D.	4	15	1
14241	2,4-Dichlorophenol	120-83-2	N.D.	0.7	3	1
14241	Diethylphthalate	84-66-2	N.D.	3	7	1
14241	Dimethoate	60-51-5	N.D.	4	15	1
14241	2,4-Dimethylphenol	105-67-9	N.D.	4	15	1
14241	Dimethylphthalate	131-11-3	N.D.	3	7	1
14241	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	12	31	1
14241	2,4-Dinitrophenol	51-28-5	N.D.	20	44	1
14241	2,4-Dinitrotoluene	121-14-2	N.D.	1	7	1
14241	2,6-Dinitrotoluene	606-20-2	N.D.	0.7	3	1

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Mixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787594
ELLE Group #: 1983674
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	1,2-Diphenylhydrazine	122-66-7	N.D.	0.7	3	1
14241	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	7	16	1
14241	Fluoranthene	206-44-0	N.D.	0.1	0.7	1
14241	Fluorene	86-73-7	1	0.1	0.7	1
14241	Hexachlorobenzene	118-74-1	N.D.	0.1	0.7	1
14241	Hexachlorobutadiene	87-68-3	N.D.	0.7	3	1
14241	Hexachlorocyclopentadiene	77-47-4	N.D.	7	16	1
14241	Hexachloroethane	67-72-1	N.D.	1	7	1
14241	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.1	0.7	1
14241	Isophorone	78-59-1	N.D.	0.7	3	1
14241	2-Methylnaphthalene	91-57-6	N.D.	0.1	0.7	1
14241	2-Methylphenol	95-48-7	0.9 J	0.7	3	1
14241	4-Methylphenol	106-44-5	N.D.	0.7	3	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14241	Naphthalene	91-20-3	N.D.	0.1	0.7	1
14241	2-Naphthylamine	91-59-8	N.D.	10	31	1
14241	Nitrobenzene	98-95-3	N.D.	0.7	3	1
14241	2-Nitrophenol	88-75-5	N.D.	4	15	1
14241	4-Nitrophenol	100-02-7	N.D.	15	44	1
14241	N-Nitrosodimethylamine	62-75-9	N.D.	3	7	1
14241	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1	4	1
14241	N-Nitrosodiphenylamine	86-30-6	N.D.	1	4	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
14241	Di-n-octylphthalate	117-84-0	N.D.	7	16	1
14241	Pentachlorophenol	87-86-5	N.D.	1	7	1
14241	Phenanthrene	85-01-8	0.2 J	0.1	0.7	1
14241	Phenol	108-95-2	N.D.	0.7	3	1
14241	Pyrene	129-00-0	N.D.	0.1	0.7	1
14241	Pyridine	110-86-1	N.D.	3	7	1
14241	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.7	3	1
14241	2,4,5-Trichlorophenol	95-95-4	N.D.	0.7	3	1
14241	2,4,6-Trichlorophenol	88-06-2	N.D.	0.7	3	1
Herbicides	**SW-846 8151A**		**ug/l**	**ug/l**	**ug/l**	
10407	2,4-D	94-75-7	N.D. D1	1.2	2.9	5
10407	Dicamba	1918-00-9	N.D. D1	0.39	1.5	5
10407	2,4-DP (Dichlorprop)	120-36-5	N.D. D2	1.4	2.4	5
10407	2,4,5-T	93-76-5	N.D. D1	0.32	0.73	5
10407	2,4,5-TP	93-72-1	0.083 JPD1	0.049	0.24	5

Reporting limits were raised due to interference from the sample matrix.

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Mixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787594
ELLE Group #: 1983674
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
	The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.					
PCBs		**SW-846 8082A**	**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.083	0.41	1
10591	PCB-1221	11104-28-2	N.D. D1	0.083	0.41	1
10591	PCB-1232	11141-16-5	N.D. D1	0.17	0.41	1
10591	PCB-1242	53469-21-9	N.D. D1	0.083	0.41	1
10591	PCB-1248	12672-29-6	N.D. D1	0.083	0.41	1
10591	PCB-1254	11097-69-1	N.D. D1	0.083	0.41	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.41	1
10591	Total PCBs	1336-36-3	N.D.	0.083	0.41	1
Pesticides		**SW-846 8081B**	**ug/l**	**ug/l**	**ug/l**	
10589	Aldrin	309-00-2	N.D. D2	0.0083	0.041	5
10589	Alpha BHC	319-84-6	N.D. D1	0.012	0.041	5
10589	Beta BHC	319-85-7	N.D. VD2	0.030	0.041	5
10589	Gamma BHC - Lindane	58-89-9	N.D. D1	0.0083	0.041	5
10589	Alpha Chlordane	5103-71-9	N.D. D1	0.012	0.041	5
10589	Gamma Chlordane	5103-74-2	N.D. D1	0.029	0.083	5
10589	p,p-DDD	72-54-8	N.D. D1	0.021	0.083	5
10589	p,p-DDE	72-55-9	N.D. D2	0.021	0.083	5
10589	p,p-DDT	50-29-3	N.D. D1	0.021	0.083	5
10589	Delta BHC	319-86-8	N.D. D1	0.014	0.041	5
10589	Dieldrin	60-57-1	N.D. D2	0.022	0.083	5
10589	Endosulfan I	959-98-8	N.D. D2	0.018	0.041	5
10589	Endosulfan II	33213-65-9	N.D. D1	0.062	0.12	5
10589	Endosulfan Sulfate	1031-07-8	N.D. D2	0.024	0.083	5
10589	Endrin	72-20-8	N.D. D2	0.033	0.083	5
10589	Endrin Aldehyde	7421-93-4	N.D. D1	0.083	0.41	5
10589	Endrin Ketone	53494-70-5	N.D. D1	0.021	0.083	5
10589	Heptachlor	76-44-8	N.D. D2	0.0083	0.041	5
10589	Heptachlor Epoxide	1024-57-3	N.D. D1	0.0095	0.041	5
10589	Methoxychlor	72-43-5	N.D. D1	0.12	0.41	5
10589	Toxaphene	8001-35-2	N.D. D2	1.2	4.1	5
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following action was taken: The sample was re-extracted and the QC is again outside of the acceptance limits. The data is reported from the initial trial.					
	Reporting limits were raised due to interference from the sample matrix.					
Metals		**SW-846 6010C**	**mg/l**	**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	N.D.	0.0100	0.100	1

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Mixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787594
ELLE Group #: 1983674
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0593 J	0.0160	0.100	1
07046	Barium	7440-39-3	0.381	0.0010	0.0100	1
07047	Beryllium	7440-41-7	N.D.	0.0010	0.0100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
07051	Chromium	7440-47-3	0.0584	0.0053	0.0300	1
07052	Cobalt	7440-48-4	0.0108	0.0015	0.0100	1
07053	Copper	7440-50-8	0.243	0.0062	0.0400	1
07055	Lead	7439-92-1	0.0082 J	0.0071	0.0300	1
01757	Magnesium	7439-95-4	237	0.0190	0.200	1
07060	Molybdenum	7439-98-7	0.0031 J	0.0020	0.0200	1
07061	Nickel	7440-02-0	0.0422	0.0031	0.0200	1
07036	Selenium	7782-49-2	N.D.	0.0210	0.100	1
07066	Silver	7440-22-4	N.D.	0.0050	0.0200	1
07022	Thallium	7440-28-0	N.D. K2	0.0140	0.0600	1
07069	Tin	7440-31-5	0.0071 J	0.0070	0.100	1
07071	Vanadium	7440-62-2	0.0271	0.0030	0.0200	1
07072	Zinc	7440-66-6	0.0308 J	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**SW-846 9012B**		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)	57-12-5	0.065	0.0050	0.010	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.10	0.20	10
	Reporting limits were raised due to interference from the sample matrix.					
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	9,290	8.5	25.0	5
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.3	0.010	0.010	1
	EPA 350.2		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	330.33	1.25	3.75	5
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	28.0	4.00	12.0	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	7.83	0.01	0.01	1

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Mixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787594
ELLE Group #: 1983674
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 4500-S2 F-2011**		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide	18496-25-8	N.D.	0.70	2.0	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	59.1	20.0	20.0	10

Sample Comments

Preservation requirements were not met. The pH preservation of all non-volatile containers was checked upon receipt at the laboratory. The container for the following analysis was not within specification and was adjusted accordingly by the laboratory: Phenols (water)

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00382	Dioxin Screen	SW-846 8270C modified	1	18250WDL026	09/13/2018 10:35	Edward C Monborne	1
14241	SVOAs 8270D MINI	SW-846 8270D	1	18250WAZ026	09/11/2018 13:15	Ashley R Transue	1
11010	8270D BNA Extraction	SW-846 3510C	1	18250WAZ026	09/10/2018 08:00	Kayla A Yuditsky	1
10407	DNREC 5 Herbicides	SW-846 8151A	1	182500023A	09/12/2018 14:05	Heather M Miller	5
10591	PCBs in Water by 8082A	SW-846 8082A	1	182500056A	09/12/2018 00:53	Kirby B Turner	1
10589	OC Pesticides in Water	SW-846 8081B	1	182500055A	09/19/2018 02:58	Andrea L Jones	5
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182500056A	09/10/2018 22:30	Karen L Beyer	1
11120	Pesticide Waters Update IV Ext	SW-846 3510C	1	182500055A	09/10/2018 22:30	Karen L Beyer	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	182500023A	09/09/2018 15:00	Ryan J Dowdy	1
07044	Antimony	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07046	Barium	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	182541063501	09/13/2018 07:01	Lisa J Cooke	1
07049	Cadmium	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	182541063501	09/13/2018 07:01	Lisa J Cooke	1
07053	Copper	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07055	Lead	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
01757	Magnesium	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07060	Molybdenum	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07066	Silver	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07022	Thallium	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07069	Tin	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	182541063501	09/12/2018 12:01	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	182540571301	09/12/2018 08:41	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182541063501	09/11/2018 15:10	JoElla L Rice	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182540571301	09/11/2018 16:10	JoElla L Rice	1
08255	Total Cyanide (water)	SW-846 9012B	1	18250117101A	09/08/2018 15:07	Brianna A Poole	1

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Mixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:45

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787594
ELLE Group #: 1983674
Matrix: Leachate

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14088	Phenols (water)	SW-846 9066	1	18257126101A	09/14/2018 14:39	Brianna A Poole	10
08256	Cyanide Water Distillation	SW-846 9012B	1	18250117101A	09/07/2018 06:45	Nancy J Shoop	1
12146	Specific Conductance	EPA 120.1	1	18250003101A	09/07/2018 22:12	Jeremy L Bolf	5
12151	Temperature of pH	EPA 170.1	1	18250007204A	09/08/2018 08:34	Jeremy L Bolf	1
00221	Ammonia Nitrogen	EPA 350.2	2	18257022101A	09/14/2018 08:45	Michelle L Lalli	5
10457	Total Suspended Solids	SM 2540 D-2011	1	18250145702A	09/07/2018 15:24	Angelica Cintron	1
12152	pH	SM 4500-H+ B-2011	1	18250007204A	09/08/2018 08:34	Jeremy L Bolf	1
01333	Sulfide	SM 4500-S2 F-2011	1	18255133301A	09/12/2018 09:30	Kevin Litwa	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18249141081A	09/06/2018 11:37	Gaurang A Pandya	10

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:46

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787595
ELLE Group #: 1983674
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	0.8	20	1
10335	Acrolein	107-02-8	N.D.	3	100	1
10335	Acrylonitrile	107-13-1	N.D.	0.4	20	1
10335	Benzene	71-43-2	N.D.	0.2	1	1
10335	Bromochloromethane	74-97-5	N.D.	0.4	5	1
10335	Bromodichloromethane	75-27-4	N.D.	0.2	1	1
10335	Bromoform	75-25-2	N.D.	2	5	1
10335	Bromomethane	74-83-9	N.D.	0.5	1	1
10335	2-Butanone	78-93-3	N.D.	1	10	1
10335	Carbon Disulfide	75-15-0	N.D.	0.3	5	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.2	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.2	1	1
10335	Chloroethane	75-00-3	N.D.	0.3	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.4	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	0.5 J	0.2	1	1
10335	Chloromethane	74-87-3	N.D.	0.3	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	1	5	1
10335	Dibromochloromethane	124-48-1	N.D.	0.4	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.3	1	1
10335	Dibromomethane	74-95-3	N.D.	0.2	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	4	50	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.2	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	2	5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.2	1	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.2	1	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.2	1	1
10335	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.2	1	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.2	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	0.2	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.2	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.2	1	1
10335	1,3-Dichloropropene (total)	542-75-6	N.D.	0.4	5	1
10335	Ethyl ether	60-29-7	N.D.	0.7	5	1
10335	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10335	2-Hexanone	591-78-6	N.D.	3	10	1
10335	Methyl Iodide	74-88-4	N.D.	0.2	1	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.5	10	1
10335	Methylene Chloride	75-09-2	0.3 J	0.2	1	1
10335	Styrene	100-42-5	N.D.	0.2	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.4	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.2	1	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:46

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787595
ELLE Group #: 1983674
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Tetrachloroethene	127-18-4	N.D.	0.2	1	1
10335	Tetrahydrofuran	109-99-9	N.D.	0.9	10	1
10335	Toluene	108-88-3	N.D.	0.2	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.2	1	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.2	1	1
10335	Trichloroethene	79-01-6	N.D.	0.2	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.4	1	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	5	1
10335	Vinyl Acetate	108-05-4	N.D.	0.7	10	1
10335	Vinyl Chloride	75-01-4	N.D.	0.4	1	1
10335	m+p-Xylene	179601-23-1	N.D.	0.5	2	1
10335	o-Xylene	95-47-6	N.D.	0.3	1	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C modified**		**ug/l**	**ug/l**	**ug/l**	
00382	Dioxin Screen	n.a.	N.D.	0.5	0.5	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Acenaphthene	83-32-9	N.D.	0.1	0.5	1
14241	Acenaphthylene	208-96-8	N.D.	0.1	0.5	1
14241	Acetophenone	98-86-2	N.D.	4	10	1
14241	Anthracene	120-12-7	N.D.	0.1	0.5	1
14241	Benzidine	92-87-5	N.D.	20	61	1
14241	Benzo(a)anthracene	56-55-3	N.D.	0.1	0.5	1
14241	Benzo(a)pyrene	50-32-8	N.D.	0.1	0.5	1
14241	Benzo(b)fluoranthene	205-99-2	N.D.	0.1	0.5	1
14241	Benzo(g,h,i)perylene	191-24-2	N.D.	0.1	0.5	1
14241	Benzo(k)fluoranthene	207-08-9	N.D.	0.1	0.5	1
14241	Benzyl alcohol	100-51-6	N.D.	10	31	1
14241	4-Bromophenyl-phenylether	101-55-3	N.D.	0.5	2	1
14241	Butylbenzylphthalate	85-68-7	N.D.	2	5	1
14241	Di-n-butylphthalate	84-74-2	N.D.	2	5	1
14241	4-Chloro-3-methylphenol	59-50-7	N.D.	0.5	2	1
14241	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.5	2	1
14241	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.5	2	1
14241	bis(2-Chloroisopropyl)ether	39638-32-9	N.D.	0.5	2	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
14241	2-Chloronaphthalene	91-58-7	N.D.	0.4	1	1
14241	2-Chlorophenol	95-57-8	N.D.	0.5	2	1
14241	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.5	2	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:46

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787595
ELLE Group #: 1983674
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Chrysene	218-01-9	N.D.	0.1	0.5	1
14241	Dibenz(a,h)anthracene	53-70-3	N.D.	0.1	0.5	1
14241	1,2-Dichlorobenzene	95-50-1	N.D.	0.5	2	1
14241	1,3-Dichlorobenzene	541-73-1	N.D.	0.5	2	1
14241	1,4-Dichlorobenzene	106-46-7	N.D.	0.5	2	1
14241	3,3'-Dichlorobenzidine	91-94-1	N.D.	3	10	1
14241	2,4-Dichlorophenol	120-83-2	N.D.	0.5	2	1
14241	Diethylphthalate	84-66-2	N.D.	2	5	1
14241	Dimethoate	60-51-5	N.D.	3	10	1
14241	2,4-Dimethylphenol	105-67-9	N.D.	3	10	1
14241	Dimethylphthalate	131-11-3	N.D.	2	5	1
14241	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	8	21	1
14241	2,4-Dinitrophenol	51-28-5	N.D.	14	31	1
14241	2,4-Dinitrotoluene	121-14-2	N.D.	1	5	1
14241	2,6-Dinitrotoluene	606-20-2	N.D.	0.5	2	1
14241	1,2-Diphenylhydrazine	122-66-7	N.D.	0.5	2	1
14241	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	5	11	1
14241	Fluoranthene	206-44-0	N.D.	0.1	0.5	1
14241	Fluorene	86-73-7	N.D.	0.1	0.5	1
14241	Hexachlorobenzene	118-74-1	N.D.	0.1	0.5	1
14241	Hexachlorobutadiene	87-68-3	N.D.	0.5	2	1
14241	Hexachlorocyclopentadiene	77-47-4	N.D.	5	11	1
14241	Hexachloroethane	67-72-1	N.D.	1	5	1
14241	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.1	0.5	1
14241	Isophorone	78-59-1	N.D.	0.5	2	1
14241	2-Methylnaphthalene	91-57-6	0.4 J	0.1	0.5	1
14241	2-Methylphenol	95-48-7	2	0.5	2	1
14241	4-Methylphenol	106-44-5	3	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14241	Naphthalene	91-20-3	2	0.1	0.5	1
14241	2-Naphthylamine	91-59-8	N.D.	7	21	1
14241	Nitrobenzene	98-95-3	N.D.	0.5	2	1
14241	2-Nitrophenol	88-75-5	N.D.	3	10	1
14241	4-Nitrophenol	100-02-7	N.D.	10	31	1
14241	N-Nitrosodimethylamine	62-75-9	N.D.	2	5	1
14241	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.7	3	1
14241	N-Nitrosodiphenylamine	86-30-6	N.D.	0.7	3	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
14241	Di-n-octylphthalate	117-84-0	N.D.	5	11	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:46

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787595
ELLE Group #: 1983674
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Pentachlorophenol	87-86-5	N.D.	1	5	1
14241	Phenanthrene	85-01-8	N.D.	0.1	0.5	1
14241	Phenol	108-95-2	3	0.5	2	1
14241	Pyrene	129-00-0	N.D.	0.1	0.5	1
14241	Pyridine	110-86-1	N.D.	2	5	1
14241	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.5	2	1
14241	2,4,5-Trichlorophenol	95-95-4	N.D.	0.5	2	1
14241	2,4,6-Trichlorophenol	88-06-2	N.D.	0.5	2	1
Herbicides	**SW-846 8151A**		**ug/l**	**ug/l**	**ug/l**	
10407	2,4-D	94-75-7	N.D. D1	0.24	0.58	1
10407	Dicamba	1918-00-9	N.D. D1	0.077	0.29	1
10407	2,4-DP (Dichlorprop)	120-36-5	N.D. D2	0.15	0.48	1
10407	2,4,5-T	93-76-5	N.D. D1	0.063	0.14	1
10407	2,4,5-TP	93-72-1	N.D. D1	0.0096	0.048	1
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.083	0.41	1
10591	PCB-1221	11104-28-2	N.D. D1	0.083	0.41	1
10591	PCB-1232	11141-16-5	N.D. D1	0.17	0.41	1
10591	PCB-1242	53469-21-9	N.D. D1	0.083	0.41	1
10591	PCB-1248	12672-29-6	N.D. D1	0.083	0.41	1
10591	PCB-1254	11097-69-1	N.D. D1	0.083	0.41	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.41	1
10591	Total PCBs	1336-36-3	N.D.	0.083	0.41	1
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	
10589	Aldrin	309-00-2	N.D. D1	0.0017	0.0083	1
10589	Alpha BHC	319-84-6	N.D. D2	0.0025	0.0083	1
10589	Beta BHC	319-85-7	N.D. D2	0.0028	0.0083	1
10589	Gamma BHC - Lindane	58-89-9	N.D. D1	0.0017	0.0083	1
10589	Alpha Chlordane	5103-71-9	N.D. D1	0.0025	0.0083	1
10589	Gamma Chlordane	5103-74-2	N.D. D1	0.0058	0.017	1
10589	p,p-DDD	72-54-8	N.D. D1	0.0041	0.017	1
10589	p,p-DDE	72-55-9	N.D. D1	0.0041	0.017	1
10589	p,p-DDT	50-29-3	N.D. D1	0.0043	0.017	1
10589	Delta BHC	319-86-8	N.D. D1	0.0028	0.0083	1
10589	Dieldrin	60-57-1	N.D. D1	0.0044	0.017	1
10589	Endosulfan I	959-98-8	N.D. D1	0.0036	0.0083	1
10589	Endosulfan II	33213-65-9	N.D. D1	0.012	0.025	1
10589	Endosulfan Sulfate	1031-07-8	N.D. D1	0.0048	0.017	1
10589	Endrin	72-20-8	N.D. D1	0.0067	0.017	1
10589	Endrin Aldehyde	7421-93-4	N.D. D1	0.017	0.083	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:46

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787595
ELLE Group #: 1983674
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	
10589	Endrin Ketone	53494-70-5	N.D. D2	0.0041	0.017	1
10589	Heptachlor	76-44-8	N.D. D1	0.0017	0.0083	1
10589	Heptachlor Epoxide	1024-57-3	N.D. D1	0.0019	0.0083	1
10589	Methoxychlor	72-43-5	N.D. D1	0.025	0.083	1
10589	Toxaphene	8001-35-2	N.D. D1	0.25	0.83	1
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. Sufficient sample was not available to repeat the analysis.					
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	N.D.	0.0100	0.100	1
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07046	Barium	7440-39-3	N.D.	0.0010	0.0100	1
07047	Beryllium	7440-41-7	N.D.	0.0010	0.0100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07052	Cobalt	7440-48-4	N.D.	0.0015	0.0100	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01757	Magnesium	7439-95-4	N.D.	0.0190	0.200	1
07060	Molybdenum	7439-98-7	N.D.	0.0020	0.0200	1
07061	Nickel	7440-02-0	N.D.	0.0031	0.0200	1
07036	Selenium	7782-49-2	N.D.	0.0210	0.100	1
07066	Silver	7440-22-4	N.D.	0.0050	0.0200	1
07022	Thallium	7440-28-0	N.D.	0.0140	0.0600	1
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1
07071	Vanadium	7440-62-2	N.D.	0.0030	0.0200	1
07072	Zinc	7440-66-6	N.D.	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**SW-846 9012B**		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)	57-12-5	N.D.	0.0050	0.010	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	N.D.	1.7	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.8	0.010	0.010	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:46

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787595
ELLE Group #: 1983674
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2540 D-2011**		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	N.D.	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	6.08	0.01	0.01	1
	SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen	7664-41-7	N.D.	0.08	0.24	1
	SM 4500-S2 F-2011		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide	18496-25-8	N.D.	0.70	2.0	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D.	2.00	2.00	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y182541AA	09/11/2018 15:42	Laura Duquette	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y182541AA	09/11/2018 15:42	Laura Duquette	1
00382	Dioxin Screen	SW-846 8270C modified	1	18250WDL026	09/13/2018 10:54	Edward C Monborne	1
14241	SVOAs 8270D MINI	SW-846 8270D	1	18250WAZ026	09/11/2018 13:43	Ashley R Transue	1
11010	8270D BNA Extraction	SW-846 3510C	1	18250WAZ026	09/10/2018 08:00	Kayla A Yuditsky	1
10407	DNREC 5 Herbicides	SW-846 8151A	1	182500023A	09/10/2018 18:57	Heather M Miller	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182500056A	09/12/2018 01:15	Kirby B Turner	1
10589	OC Pesticides in Water	SW-846 8081B	1	182500055A	09/14/2018 18:33	Andrea L Jones	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182500056A	09/10/2018 22:30	Karen L Beyer	1
11120	Pesticide Waters Update IV Ext	SW-846 3510C	1	182500055A	09/10/2018 22:30	Karen L Beyer	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	182500023A	09/09/2018 15:00	Ryan J Dowdy	1
07044	Antimony	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07035	Arsenic	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07046	Barium	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07049	Cadmium	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07055	Lead	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
01757	Magnesium	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07060	Molybdenum	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07022	Thallium	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/05/2018 17:55
Collection Date/Time: 09/05/2018 09:46

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9787595
ELLE Group #: 1983674
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07071	Vanadium	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	182501063501	09/10/2018 17:52	Elaine F Stoltzfus	1
00259	Mercury	SW-846 7470A	1	182500571301	09/10/2018 11:11	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182501063501	09/10/2018 05:55	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182500571301	09/10/2018 06:40	Annamaria Kuhns	1
08255	Total Cyanide (water)	SW-846 9012B	1	18250117101A	09/08/2018 14:01	Brianna A Poole	1
14088	Phenols (water)	SW-846 9066	1	18257126101A	09/14/2018 14:42	Brianna A Poole	1
08256	Cyanide Water Distillation	SW-846 9012B	1	18250117101A	09/07/2018 06:45	Nancy J Shoop	1
12146	Specific Conductance	EPA 120.1	1	18249005104A	09/07/2018 03:15	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18249005104A	09/07/2018 03:15	Jeremy L Bolf	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18250145702A	09/07/2018 15:24	Angelica Cintron	1
12152	pH	SM 4500-H+ B-2011	1	18249005104A	09/07/2018 03:15	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18254005201A	09/11/2018 13:19	Michelle L Lalli	1
01333	Sulfide	SM 4500-S2 F-2011	1	18255133301A	09/12/2018 09:30	Kevin Litwa	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18249141081A	09/06/2018 11:37	Gaurang A Pandya	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: Y182541AA	Sample number(s): 9787595		
Acetone	N.D.	0.8	20
Acrolein	N.D.	3	100
Acrylonitrile	N.D.	0.4	20
Benzene	N.D.	0.2	1
Bromochloromethane	N.D.	0.4	5
Bromodichloromethane	N.D.	0.2	1
Bromoform	N.D.	2	5
Bromomethane	N.D.	0.5	1
2-Butanone	N.D.	1	10
Carbon Disulfide	N.D.	0.3	5
Carbon Tetrachloride	N.D.	0.2	1
Chlorobenzene	N.D.	0.2	1
Chloroethane	N.D.	0.3	1
2-Chloroethyl Vinyl Ether	N.D.	0.4	10
Chloroform	N.D.	0.2	1
Chloromethane	N.D.	0.3	1
1,2-Dibromo-3-chloropropane	N.D.	1	5
Dibromochloromethane	N.D.	0.4	1
1,2-Dibromoethane	N.D.	0.3	1
Dibromomethane	N.D.	0.2	1
trans-1,4-Dichloro-2-butene	N.D.	4	50
1,1-Dichloroethane	N.D.	0.2	1
1,2-Dichloroethane	N.D.	2	5
1,1-Dichloroethene	N.D.	0.2	1
cis-1,2-Dichloroethene	N.D.	0.2	1
trans-1,2-Dichloroethene	N.D.	0.2	1
1,2-Dichloroethene (Total)	N.D.	0.2	1
1,2-Dichloropropane	N.D.	0.2	1
1,3-Dichloropropane	N.D.	0.2	1
cis-1,3-Dichloropropene	N.D.	0.2	1
trans-1,3-Dichloropropene	N.D.	0.2	1
1,3-Dichloropropene (total)	N.D.	0.4	5
Ethyl ether	N.D.	0.7	5
Ethylbenzene	N.D.	0.2	1
2-Hexanone	N.D.	3	10
Methyl Iodide	N.D.	0.2	1
4-Methyl-2-pentanone	N.D.	0.5	10
Methylene Chloride	N.D.	0.2	1
Styrene	N.D.	0.2	5

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
1,1,1,2-Tetrachloroethane	N.D.	0.4	1
1,1,2,2-Tetrachloroethane	N.D.	0.2	1
Tetrachloroethene	N.D.	0.2	1
Tetrahydrofuran	N.D.	0.9	10
Toluene	N.D.	0.2	1
1,1,1-Trichloroethane	N.D.	0.2	1
1,1,2-Trichloroethane	N.D.	0.2	1
Trichloroethene	N.D.	0.2	1
Trichlorofluoromethane	N.D.	0.4	1
1,2,3-Trichloropropane	N.D.	0.2	5
Vinyl Acetate	N.D.	0.7	10
Vinyl Chloride	N.D.	0.4	1
m+p-Xylene	N.D.	0.5	2
o-Xylene	N.D.	0.3	1
Xylene (Total)	N.D.	0.5	5
Batch number: 18250WAZ026	Sample number(s): 9787594-9787595		
Acenaphthene	N.D.	0.1	0.5
Acenaphthylene	N.D.	0.1	0.5
Acetophenone	N.D.	4	10
Anthracene	N.D.	0.1	0.5
Benzidine	N.D.	20	60
Benzo(a)anthracene	N.D.	0.1	0.5
Benzo(a)pyrene	N.D.	0.1	0.5
Benzo(b)fluoranthene	N.D.	0.1	0.5
Benzo(g,h,i)perylene	N.D.	0.1	0.5
Benzo(k)fluoranthene	N.D.	0.1	0.5
Benzyl alcohol	N.D.	10	30
4-Bromophenyl-phenylether	N.D.	0.5	2
Butylbenzylphthalate	N.D.	2	5
Di-n-butylphthalate	N.D.	2	5
4-Chloro-3-methylphenol	N.D.	0.5	2
bis(2-Chloroethoxy)methane	N.D.	0.5	2
bis(2-Chloroethyl)ether	N.D.	0.5	2
bis(2-Chloroisopropyl)ether	N.D.	0.5	2
2-Chloronaphthalene	N.D.	0.4	1
2-Chlorophenol	N.D.	0.5	2
4-Chlorophenyl-phenylether	N.D.	0.5	2
Chrysene	N.D.	0.1	0.5
Dibenz(a,h)anthracene	N.D.	0.1	0.5
1,2-Dichlorobenzene	N.D.	0.5	2
1,3-Dichlorobenzene	N.D.	0.5	2
1,4-Dichlorobenzene	N.D.	0.5	2
3,3'-Dichlorobenzidine	N.D.	3	10
2,4-Dichlorophenol	N.D.	0.5	2

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Diethylphthalate	N.D.	2	5
Dimethoate	N.D.	3	10
2,4-Dimethylphenol	N.D.	3	10
Dimethylphthalate	N.D.	2	5
4,6-Dinitro-2-methylphenol	N.D.	8	21
2,4-Dinitrophenol	N.D.	14	30
2,4-Dinitrotoluene	N.D.	1	5
2,6-Dinitrotoluene	N.D.	0.5	2
1,2-Diphenylhydrazine	N.D.	0.5	2
bis(2-Ethylhexyl)phthalate	N.D.	5	11
Fluoranthene	N.D.	0.1	0.5
Fluorene	N.D.	0.1	0.5
Hexachlorobenzene	N.D.	0.1	0.5
Hexachlorobutadiene	N.D.	0.5	2
Hexachlorocyclopentadiene	N.D.	5	11
Hexachloroethane	N.D.	1	5
Indeno(1,2,3-cd)pyrene	N.D.	0.1	0.5
Isophorone	N.D.	0.5	2
2-Methylnaphthalene	N.D.	0.1	0.5
2-Methylphenol	N.D.	0.5	2
4-Methylphenol	N.D.	0.5	2
Naphthalene	N.D.	0.1	0.5
2-Naphthylamine	N.D.	7	21
Nitrobenzene	N.D.	0.5	2
2-Nitrophenol	N.D.	3	10
4-Nitrophenol	N.D.	10	30
N-Nitrosodimethylamine	N.D.	2	5
N-Nitroso-di-n-propylamine	N.D.	0.7	3
N-Nitrosodiphenylamine	N.D.	0.7	3
Di-n-octylphthalate	N.D.	5	11
Pentachlorophenol	N.D.	1	5
Phenanthrene	N.D.	0.1	0.5
Phenol	N.D.	0.5	2
Pyrene	N.D.	0.1	0.5
Pyridine	N.D.	2	5
1,2,4-Trichlorobenzene	N.D.	0.5	2
2,4,5-Trichlorophenol	N.D.	0.5	2
2,4,6-Trichlorophenol	N.D.	0.5	2
Batch number: 182500023A	Sample number(s): 9787594-9787595		
2,4-D	N.D.	0.25	0.60
Dicamba	N.D.	0.080	0.30
2,4-DP (Dichlorprop)	N.D.	0.16	0.50
2,4,5-T	N.D.	0.065	0.15
2,4,5-TP	N.D.	0.010	0.050

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: 182500056A	Sample number(s): 9787594-9787595		
PCB-1016	N.D.	0.080	0.40
PCB-1221	N.D.	0.080	0.40
PCB-1232	N.D.	0.16	0.40
PCB-1242	N.D.	0.080	0.40
PCB-1248	N.D.	0.080	0.40
PCB-1254	N.D.	0.080	0.40
PCB-1260	N.D.	0.12	0.40
Total PCBs	N.D.	0.080	0.40
Batch number: 182500055A	Sample number(s): 9787594-9787595		
Aldrin	N.D.	0.0016	0.0080
Alpha BHC	N.D.	0.0024	0.0080
Beta BHC	N.D.	0.0027	0.0080
Gamma BHC - Lindane	N.D.	0.0016	0.0080
Alpha Chlordane	N.D.	0.0024	0.0080
Gamma Chlordane	N.D.	0.0056	0.016
p,p-DDD	N.D.	0.0040	0.016
p,p-DDE	N.D.	0.0040	0.016
p,p-DDT	N.D.	0.0042	0.016
Delta BHC	N.D.	0.0027	0.0080
Dieldrin	N.D.	0.0042	0.016
Endosulfan I	N.D.	0.0034	0.0080
Endosulfan II	N.D.	0.012	0.024
Endosulfan Sulfate	N.D.	0.0046	0.016
Endrin	N.D.	0.0065	0.016
Endrin Aldehyde	N.D.	0.016	0.080
Endrin Ketone	N.D.	0.0040	0.016
Heptachlor	N.D.	0.0016	0.0080
Heptachlor Epoxide	N.D.	0.0018	0.0080
Methoxychlor	N.D.	0.024	0.080
Toxaphene	N.D.	0.24	0.80
	mg/l	mg/l	mg/l
Batch number: 182500571301	Sample number(s): 9787595		
Mercury	N.D.	0.000050	0.00020
Batch number: 182501063501	Sample number(s): 9787595		
Antimony	N.D.	0.0100	0.100
Arsenic	N.D.	0.0160	0.100
Barium	N.D.	0.0010	0.0100
Beryllium	N.D.	0.0010	0.0100
Cadmium	N.D.	0.0010	0.0100
Chromium	N.D.	0.0053	0.0300
Cobalt	N.D.	0.0015	0.0100
Copper	N.D.	0.0062	0.0400

*- Outside of specification
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(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Lead	N.D.	0.0071	0.0300
Magnesium	N.D.	0.0190	0.200
Molybdenum	N.D.	0.0020	0.0200
Nickel	N.D.	0.0031	0.0200
Selenium	N.D.	0.0210	0.100
Silver	N.D.	0.0050	0.0200
Thallium	N.D.	0.0140	0.0600
Tin	N.D.	0.0070	0.100
Vanadium	N.D.	0.0030	0.0200
Zinc	N.D.	0.0030	0.0400
Batch number: 182540571301	Sample number(s): 9787594		
Mercury	N.D.	0.000050	0.00020
Batch number: 182541063501	Sample number(s): 9787594		
Antimony	N.D.	0.0100	0.100
Arsenic	N.D.	0.0160	0.100
Barium	N.D.	0.0010	0.0100
Beryllium	N.D.	0.0010	0.0100
Cadmium	N.D.	0.0010	0.0100
Chromium	N.D.	0.0053	0.0300
Cobalt	N.D.	0.0015	0.0100
Copper	N.D.	0.0062	0.0400
Lead	N.D.	0.0071	0.0300
Magnesium	N.D.	0.0190	0.200
Molybdenum	N.D.	0.0020	0.0200
Nickel	N.D.	0.0031	0.0200
Selenium	N.D.	0.0210	0.100
Silver	N.D.	0.0050	0.0200
Thallium	N.D.	0.0140	0.0600
Tin	N.D.	0.0070	0.100
Vanadium	N.D.	0.0030	0.0200
Zinc	N.D.	0.0030	0.0400
Batch number: 18250117101A	Sample number(s): 9787594-9787595		
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18257126101A	Sample number(s): 9787594-9787595		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18250145702A	Sample number(s): 9787594-9787595		
Total Suspended Solids	N.D.	1.00	3.00
Batch number: 18254005201A	Sample number(s): 9787595		
Ammonia-Nitrogen	N.D.	0.08	0.24
Batch number: 18255133301A	Sample number(s): 9787594-9787595		
Sulfide	N.D.	0.70	2.0

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Batch number: 18257022101A	Sample number(s): 9787594		
Ammonia Nitrogen	N.D.	0.25	0.75
	umhos/cm	umhos/cm	umhos/cm
Batch number: 18249005104A	Sample number(s): 9787595		
Specific Conductance	N.D.	1.7	5.0
Batch number: 18250003101A	Sample number(s): 9787594		
Specific Conductance	N.D.	1.7	5.0

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y182541AA	Sample number(s): 9787595								
Acetone	150	227.97			152		54-157		
Acrolein	150	198.43			132		47-136		
Acrylonitrile	100	123.2			123		60-129		
Benzene	20	23.38			117		80-120		
Bromochloromethane	20	21.46			107		80-120		
Bromodichloromethane	20	19.16			96		71-120		
Bromoform	20	16.14			81		51-120		
Bromomethane	20	12.77			64		53-128		
2-Butanone	150	180.58			120		59-135		
Carbon Disulfide	20	20.87			104		65-128		
Carbon Tetrachloride	20	17.93			90		64-134		
Chlorobenzene	20	22.54			113		80-120		
Chloroethane	20	14.9			75		55-123		
2-Chloroethyl Vinyl Ether	20	18.09			90		49-124		
Chloroform	20	21.5			107		80-120		
Chloromethane	20	14.62			73		56-121		
1,2-Dibromo-3-chloropropane	20	16.5			83		47-131		
Dibromochloromethane	20	17.72			89		71-120		
1,2-Dibromoethane	20	21.23			106		77-120		
Dibromomethane	20	20.73			104		80-120		
trans-1,4-Dichloro-2-butene	100	94.98			95		33-143		
1,1-Dichloroethane	20	22.64			113		80-120		
1,2-Dichloroethane	20	19.78			99		73-124		
1,1-Dichloroethene	20	24.23			121		80-131		
cis-1,2-Dichloroethene	20	23.4			117		80-120		
trans-1,2-Dichloroethene	20	23.6			118		80-120		
1,2-Dichloroethene (Total)	40	47			118		80-120		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dichloropropane	20	23.35			117		80-120		
1,3-Dichloropropane	20	22.4			112		80-120		
cis-1,3-Dichloropropene	20	19.81			99		75-120		
trans-1,3-Dichloropropene	20	17.18			86		67-120		
1,3-Dichloropropene (total)	40	36.99			92		70-120		
Ethyl ether	20	24.14			121		59-141		
Ethylbenzene	20	22.4			112		80-120		
2-Hexanone	100	121.76			122		56-135		
Methyl Iodide	20	21.88			109		73-125		
4-Methyl-2-pentanone	100	120.83			121		62-133		
Methylene Chloride	20	23.69			118		80-120		
Styrene	20	22.03			110		80-120		
1,1,1,2-Tetrachloroethane	20	18.94			95		78-120		
1,1,2,2-Tetrachloroethane	20	20.95			105		72-120		
Tetrachloroethene	20	23.8			119		80-120		
Tetrahydrofuran	100	143.72			144		54-144		
Toluene	20	23.16			116		80-120		
1,1,1-Trichloroethane	20	18.72			94		67-126		
1,1,2-Trichloroethane	20	22.8			114		80-120		
Trichloroethene	20	21.86			109		80-120		
Trichlorofluoromethane	20	14.3			71		55-135		
1,2,3-Trichloropropane	20	21.56			108		75-124		
Vinyl Acetate	100	125.78			126		63-145		
Vinyl Chloride	20	14.56			73		56-120		
m+p-Xylene	40	45.28			113		80-120		
o-Xylene	20	21.27			106		80-120		
Xylene (Total)	60	66.55			111		80-120		
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 18250WAZ026	Sample number(s): 9787594-9787595								
Acenaphthene	50	46.62			93		62-119		
Acenaphthylene	50	46.75			94		66-125		
Acetophenone	50	42.28			85		62-114		
Anthracene	50	46.13			92		70-118		
Benzidine	250	62.02			25		10-86		
Benzo(a)anthracene	50	50.7			101		70-123		
Benzo(a)pyrene	50	50.56			101		71-122		
Benzo(b)fluoranthene	50	49.32			99		70-120		
Benzo(g,h,i)perylene	50	45.59			91		64-119		
Benzo(k)fluoranthene	50	48.82			98		73-122		
Benzyl alcohol	50	42.09			84		59-120		
4-Bromophenyl-phenylether	50	48.9			98		64-119		
Butylbenzylphthalate	50	42.28			85		57-119		
Di-n-butylphthalate	50	44.93			90		71-113		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4-Chloro-3-methylphenol	50	45.83			92		65-122		
bis(2-Chloroethoxy)methane	50	40.81			82		64-119		
bis(2-Chloroethyl)ether	50	39.95			80		60-110		
bis(2-Chloroisopropyl)ether	50	36.91			74		50-119		
2-Chloronaphthalene	50	46.47			93		51-114		
2-Chlorophenol	50	42.59			85		58-108		
4-Chlorophenyl-phenylether	50	47.24			94		58-115		
Chrysene	50	49.19			98		71-123		
Dibenz(a,h)anthracene	50	49.02			98		67-123		
1,2-Dichlorobenzene	50	39.8			80		43-108		
1,3-Dichlorobenzene	50	39.33			79		31-110		
1,4-Dichlorobenzene	50	39.75			79		30-109		
3,3'-Dichlorobenzidine	50	40.79			82		36-116		
2,4-Dichlorophenol	50	45.3			91		65-117		
Diethylphthalate	50	38.73			77		61-111		
Dimethoate	50	19.73			39		10-105		
2,4-Dimethylphenol	50	36.72			73		52-106		
Dimethylphthalate	50	31.28			63		37-116		
4,6-Dinitro-2-methylphenol	50	50.92			102		63-129		
2,4-Dinitrophenol	100	99.54			100		26-141		
2,4-Dinitrotoluene	50	45.48			91		69-117		
2,6-Dinitrotoluene	50	46.01			92		69-122		
1,2-Diphenylhydrazine	50	41.78			84		71-127		
bis(2-Ethylhexyl)phthalate	50	48.8			98		68-120		
Fluoranthene	50	49.17			98		70-124		
Fluorene	50	46.02			92		62-116		
Hexachlorobenzene	50	46.89			94		65-121		
Hexachlorobutadiene	50	41.31			83		21-114		
Hexachlorocyclopentadiene	100	42.61			43		10-117		
Hexachloroethane	50	37.11			74		24-100		
Indeno(1,2,3-cd)pyrene	50	45.81			92		61-121		
Isophorone	50	41.99			84		65-123		
2-Methylnaphthalene	50	44.01			88		51-112		
2-Methylphenol	50	40.68			81		59-109		
4-Methylphenol	50	39.09			78		56-108		
Naphthalene	50	40.96			82		54-107		
2-Naphthylamine	100	32.57			33		10-94		
Nitrobenzene	50	39.98			80		59-117		
2-Nitrophenol	50	47.41			95		63-121		
4-Nitrophenol	50	30.7			61		28-88		
N-Nitrosodimethylamine	50	29.96			60		16-108		
N-Nitroso-di-n-propylamine	50	41.76			84		61-118		
N-Nitrosodiphenylamine	50	47.97			96		68-122		
Di-n-octylphthalate	50	45.02			90		67-120		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Pentachlorophenol	50	46.47			93		64-130		
Phenanthrene	50	47.19			94		68-118		
Phenol	50	27.25			54		23-82		
Pyrene	50	46.05			92		68-118		
Pyridine	50	21.4			43		13-83		
1,2,4-Trichlorobenzene	50	43.87			88		38-116		
2,4,5-Trichlorophenol	50	48.05			96		73-124		
2,4,6-Trichlorophenol	50	47.93			96		69-122		
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182500023A	Sample number(s): 9787594-9787595								
2,4-D	2.50	2.35	2.50	2.44	94	98	64-159	4	30
Dicamba	0.250	0.239	0.250	0.211	96	84	50-132	12	30
2,4-DP (Dichlorprop)	2.50	2.65	2.50	2.46	106	98	48-133	7	30
2,4,5-T	0.250	0.275	0.250	0.276	110	110	69-164	1	30
2,4,5-TP	0.250	0.278	0.250	0.258	111	103	57-136	8	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182500056A	Sample number(s): 9787594-9787595								
PCB-1016	5.00	3.79			76		60-117		
PCB-1260	5.05	4.59			91		57-134		
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182500055A	Sample number(s): 9787594-9787595								
Aldrin	0.100	0.0456			46		28-119		
Alpha BHC	0.102	0.0516			51		47-132		
Beta BHC	0.100	0.0499			50*		56-125		
Gamma BHC - Lindane	0.102	0.0506			50*		51-132		
Alpha Chlordane	0.100	0.0532			53		53-126		
Gamma Chlordane	0.100	0.0536			54		53-130		
p,p-DDD	0.204	0.125			61		42-148		
p,p-DDE	0.200	0.107			53		51-129		
p,p-DDT	0.204	0.129			63		40-145		
Delta BHC	0.100	0.0499			50		49-140		
Dieldrin	0.204	0.116			57		54-126		
Endosulfan I	0.102	0.0443			43		40-138		
Endosulfan II	0.200	0.107			54		54-124		
Endosulfan Sulfate	0.202	0.125			62		41-133		
Endrin	0.202	0.124			62		35-143		
Endrin Aldehyde	0.202	0.111			55		40-135		
Endrin Ketone	0.200	0.127			63		44-136		
Heptachlor	0.102	0.0466			46		38-135		
Heptachlor Epoxide	0.100	0.0548			55*		56-132		
Methoxychlor	1.02	0.693			68		39-143		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Batch number: 182500571301	Sample number(s): 9787595								
Mercury	0.00100	0.000879			88		80-114		
Batch number: 182501063501	Sample number(s): 9787595								
Antimony	0.500	0.496			99		90-117		
Arsenic	0.150	0.147			98		80-120		
Barium	2.00	1.95			98		87-111		
Beryllium	0.0500	0.0490			98		86-110		
Cadmium	0.0500	0.0514			103		90-111		
Chromium	0.200	0.199			100		87-110		
Cobalt	0.500	0.507			101		90-111		
Copper	0.250	0.259			104		90-115		
Lead	0.150	0.155			104		87-113		
Magnesium	2.00	2.06			103		88-114		
Molybdenum	2.00	2.00			100		85-112		
Nickel	0.500	0.521			104		90-114		
Selenium	0.150	0.160			107		80-120		
Silver	0.0500	0.0503			101		80-120		
Thallium	0.150	0.166			111		80-120		
Tin	4.00	3.96			99		89-110		
Vanadium	0.500	0.508			102		89-114		
Zinc	0.500	0.497			99		89-111		
Batch number: 182540571301	Sample number(s): 9787594								
Mercury	0.00100	0.000937			94		80-114		
Batch number: 182541063501	Sample number(s): 9787594								
Antimony	0.500	0.492			98		90-117		
Arsenic	0.150	0.152			101		80-120		
Barium	2.00	1.89			95		87-111		
Beryllium	0.0500	0.0464			93		86-110		
Cadmium	0.0500	0.0501			100		90-111		
Chromium	0.200	0.196			98		87-110		
Cobalt	0.500	0.488			98		90-111		
Copper	0.250	0.248			99		90-115		
Lead	0.150	0.151			101		87-113		
Magnesium	2.00	1.97			98		88-114		
Molybdenum	2.00	1.95			98		85-112		
Nickel	0.500	0.496			99		90-114		
Selenium	0.150	0.134			89		80-120		
Silver	0.0500	0.0464			93		80-120		
Thallium	0.150	0.150			100		80-120		
Tin	4.00	3.83			96		89-110		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

LCS/LCSD (continued)

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Vanadium	0.500	0.469			94		89-114		
Zinc	0.500	0.488			98		89-111		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18250117101A	Sample number(s): 9787594-9787595								
Total Cyanide (water)	0.200	0.201			101		90-110		
Batch number: 18257126101A	Sample number(s): 9787594-9787595								
Phenols (water)	0.250	0.252			101		82-109		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18249141081A	Sample number(s): 9787594-9787595								
Biochemical Oxygen Demand-BOD	198	186.9			94		85-115		
Batch number: 18250145702A	Sample number(s): 9787594-9787595								
Total Suspended Solids	150	139.5			93		74-118		
Batch number: 18254005201A	Sample number(s): 9787595								
Ammonia-Nitrogen	5.00	4.59			92		77-133		
Batch number: 18255133301A	Sample number(s): 9787594-9787595								
Sulfide	20	17.39	20	16.6	87	83	80-120	5*	4
Batch number: 18257022101A	Sample number(s): 9787594								
Ammonia Nitrogen	10	9.53	10	9.59	95	96	93-100	1	5
	Std. Units	**Std. Units**	**Std. Units**	**Std. Units**					
Batch number: 18249005104A	Sample number(s): 9787595								
pH	7.00	7.00			100		95-105		
Batch number: 18250007204A	Sample number(s): 9787594								
pH	7.00	7.04			101		95-105		
	umhos/cm	**umhos/cm**	**umhos/cm**	**umhos/cm**					
Batch number: 18249005104A	Sample number(s): 9787595								
Specific Conductance	147	148.1			101		80-121		
Batch number: 18250003101A	Sample number(s): 9787594								
Specific Conductance	147	147			100		80-121		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 18255133301A	Sample number(s): 9787594-9787595 BKG: 9787594			
Sulfide	N.D.	N.D.	0 (1)	20
Batch number: 18257022101A	Sample number(s): 9787594 BKG: 9787594			
Ammonia Nitrogen	330.33	317.82	4	6

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 5ml Water by 8260B
Batch number: Y182541AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9787595	99	104	100	95
Blank	96	103	100	94
LCS	97	101	102	98
Limits:	80-120	80-120	80-120	80-120

Analysis Name: SVOAs 8270D MINI
Batch number: 18250WAZ026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
9787594	48	51	78	66	66	81
9787595	34	48	94	73	83	98
Blank	35	48	83	71	80	95
LCS	50	64	87	76	82	94
Limits:	10-72	10-85	29-133	30-111	39-105	27-126

Analysis Name: DNREC 5 Herbicides
Batch number: 182500023A

	2,4-DCAA-D1	2,4-DCAA-D2
9787594	77	1513*
9787595	82	80
Blank	69	62
LCS	91	91
LCSD	84	82

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1983674
Reported: 10/05/2018 13:58

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: DNREC 5 Herbicides
Batch number: 182500023A

Limits:	34-142	34-142

Analysis Name: OC Pesticides in Water
Batch number: 182500055A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9787594	108	27*	51	24*
9787595	67	50	59	52
Blank	85	61	77	64
LCS	49	41	47	42
Limits:	29-129	32-149	29-129	32-149

Analysis Name: PCBs in Water by 8082A
Batch number: 182500056A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9787594	61	20	63	20
9787595	78	51	77	52
Blank	61	44	60	42
LCS	77	44	77	41
Limits:	33-137	10-148	33-137	10-148

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20080 | 1983674 | 9787594-95

For CIL Mixed Monthly Leachates

Brickhouse Environmental
Environmental Consultants & Engineers
515 S. Franklin St. West Chester, PA 19382 610.692.5770 Fax: 610.692.8650

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #: of
Lab Quote #:

Project Name: DSWA (CIL)
Project Location:
Cherry Island Landfill
Project Number: 10-2671-21
Project Manager: Doug Schott
PO No: 294388
Bill To: Above
TAT [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X]-Y dschott@brickhouse-environmental.com
anicolardi@brickhouse-environmental.com

Container Type	P	P	gl v	gl	P	gl	gl	gl	P	P	gl	P
Container Size	250 ml	250 ml	40 ml	1000 ml	250 ml	500 ml	250 ml	250 ml	500 ml	1000 ml	500 ml	1000 ml
Preservative	NaOH/asc	HNO3	None	None	None	H2SO4	H2SO4	None	None	None	NaOH/ZnAc	H2SO4

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Sample or Field Results Below.

Sample Description/Location (as it will appear on the lab report)	Sample	Time	*G or C	**Matrix	Total Cyanide in Water	Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mg, Hg, Mo, Ni, Se, Ag, Tl, Sn, V, Zn	Supplemental VOCs 8260	Supplemental Herbicides 8151	pH, Spec. Cond.	Ammonia-Nitrogen	Phenols (water)	Suppl. PCBs, Pesticides 8081, SVOCs 8270 + dioxin screen	BOD	TSS	Sulfide	Ammonia-Nitrogen			Sample/COC Comments/PID Response/Etc.
CI-MPS Mixed 24-hr Composite	9/5/18	945	C	OL	1	1	*	2	1		1	4	1	1	1	1			
~~EB/N2~~			~~G~~	~~OL~~	~~1~~	~~1~~	~~3~~	~~2~~	~~1~~	~~1~~	~~1~~	~~4~~	~~1~~	~~1~~	~~2~~				
TB/N2	9/5/18	946	G	OL	1	1	2	2	1	1	1	2	1	1	1				
~~CI-MPS Grab #1~~			~~G~~	~~OL~~			~~3~~												*Supplemental VOCs analyzed from composite of grabs.
~~CI-MPS Grab #2~~			~~G~~	~~OL~~			~~3~~												
~~CI-MPS Grab #3~~			~~G~~	~~OL~~			~~3~~												
~~CI-MPS Grab #4~~			~~G~~	~~OL~~			~~3~~												

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	[signature]	9/5/18	1630	2	[signature]	9.5.18	1630
3	[signature]	9.5.18	1755	4			
5				6			
7				8			
9				10	[signature]	9-5-18	1755

Receipt Information (Receiving Lab)
Cooler Temp: [illegible] Cooler #: 1-11
Therm. ID DT144

	Y	N
Custody Seals Present?	✓	
(if present) Seals Intact?	✓	
Received on Ice?	✓	
COC/Labels Agree?	✓	
Cont. in Good Cond.?	✓	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?		

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other
Tracking #:

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE

Reportable to PADEP? Yes [ ]
PWSID #

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type-

* G=Grab; C=Composite **Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 1/12

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Sample Administration Receipt Documentation Log

Doc Log ID: 226119

Group Number(s): 1983674

Client: Brickhouse Environmental

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/05/2018 17:55
Number of Packages:	11	Number of Projects:	4
State/Province of Origin:	PA		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	14
Paperwork Enclosed:	Yes	Trip Blank Type:	See COC
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Melvin Sanchez (8943) at 20:19 on 09/05/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?	Samples Collected Same Day as Receipt?
1	DT146	2.9	DT	Wet	Y	Bagged	N	N
2	DT146	3.5	DT	Wet	Y	Bagged	N	N
3	DT146	2.4	DT	Wet	Y	Bagged	N	N
4	DT146	6.2	DT	Wet	Y	Bagged	Y	Y
5	DT146	0.7	DT	Wet	Y	Bagged	N	Y
6	DT146	9.1	DT	Wet	Y	Bagged	Y	Y
7	DT146	8.2	DT	Wet	Y	Bagged	Y	Y
8	DT146	1.5	DT	Wet	Y	Bagged	N	N
9	DT146	0.7	DT	Wet	Y	Bagged	N	N
10	DT146	0.4	DT	Wet	Y	Bagged	N	N
11	DT146	4.6	DT	Wet	Y	Bagged	N	N

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: October 09, 2018 12:42

Project: DSWA (CIL)

Account #: 20080
Group Number: 1987910
PO Number: 294389
Release Number: 10-2671-21
State of Sample Origin: DE

Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
CI-MPS Composite Leachate	09/17/2018 10:10 - 09/17/2018 14:50	9805986
EB/N2 Water	09/17/2018 08:50	9805987

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **CI-MPS Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/17/2018 17:15
Collection Date/Time: 09/17/2018 10:10 through 09/17/2018 14:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9805986
ELLE Group #: 1987910
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	170 J	8	200	10
10335	Acrolein	107-02-8	N.D.	30	1,000	10
10335	Acrylonitrile	107-13-1	N.D.	4	200	10
10335	Benzene	71-43-2	4 J	2	10	10
10335	Bromochloromethane	74-97-5	N.D.	4	50	10
10335	Bromodichloromethane	75-27-4	N.D.	2	10	10
10335	Bromoform	75-25-2	N.D.	20	50	10
10335	Bromomethane	74-83-9	N.D.	5	10	10
10335	2-Butanone	78-93-3	130	10	100	10
10335	Carbon Disulfide	75-15-0	N.D.	3	50	10
10335	Carbon Tetrachloride	56-23-5	N.D.	2	10	10
10335	Chlorobenzene	108-90-7	9 J	2	10	10
10335	Chloroethane	75-00-3	N.D.	3	10	10
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	4	100	10
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	2	10	10
10335	Chloromethane	74-87-3	N.D.	3	10	10
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	10	50	10
10335	Dibromochloromethane	124-48-1	N.D.	4	10	10
10335	1,2-Dibromoethane	106-93-4	N.D.	3	10	10
10335	Dibromomethane	74-95-3	N.D.	2	10	10
10335	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	40	500	10
10335	1,1-Dichloroethane	75-34-3	N.D.	2	10	10
10335	1,2-Dichloroethane	107-06-2	N.D.	20	50	10
10335	1,1-Dichloroethene	75-35-4	N.D.	2	10	10
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	2	10	10
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	2	10	10
10335	1,2-Dichloroethene (Total)	540-59-0	N.D.	2	10	10
10335	1,2-Dichloropropane	78-87-5	N.D.	2	10	10
10335	1,3-Dichloropropane	142-28-9	N.D.	2	10	10
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	2	10	10
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	2	10	10
10335	1,3-Dichloropropene (total)	542-75-6	N.D.	4	50	10
10335	Ethyl ether	60-29-7	N.D.	7	50	10
10335	Ethylbenzene	100-41-4	2 J	2	10	10
10335	2-Hexanone	591-78-6	N.D.	30	100	10
10335	Methyl Iodide	74-88-4	N.D.	2	10	10
10335	4-Methyl-2-pentanone	108-10-1	N.D.	5	100	10
10335	Methylene Chloride	75-09-2	N.D.	2	10	10
10335	Styrene	100-42-5	N.D.	2	50	10
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	4	10	10
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2	10	10

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9805986
ELLE Group #: 1987910
Matrix: Leachate

Submittal Date/Time: 09/17/2018 17:15
Collection Date/Time: 09/17/2018 10:10 through 09/17/2018 14:50

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Tetrachloroethene	127-18-4	N.D.	2	10	10
10335	Tetrahydrofuran	109-99-9	93 J	9	100	10
10335	Toluene	108-88-3	N.D.	2	10	10
10335	1,1,1-Trichloroethane	71-55-6	N.D.	2	10	10
10335	1,1,2-Trichloroethane	79-00-5	N.D.	2	10	10
10335	Trichloroethene	79-01-6	N.D.	2	10	10
10335	Trichlorofluoromethane	75-69-4	N.D.	4	10	10
10335	1,2,3-Trichloropropane	96-18-4	N.D.	2	50	10
10335	Vinyl Acetate	108-05-4	N.D.	7	100	10
10335	Vinyl Chloride	75-01-4	N.D.	4	10	10
10335	m+p-Xylene	179601-23-1	N.D.	5	20	10
10335	o-Xylene	95-47-6	N.D.	3	10	10
10335	Xylene (Total)	1330-20-7	N.D.	5	50	10

Reporting limits were raised due to sample foaming.

Sample Comments

The VOC analysis was performed from a 4 point lab composite. The individual samples were collected on 09/17/18 at 10:10, 11:57, 13:30, and 14:50.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y182641AA	09/22/2018 04:34	Kevin D Kelly	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y182641AA	09/22/2018 04:34	Kevin D Kelly	10

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/17/2018 17:15
Collection Date/Time: 09/17/2018 08:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9805987
ELLE Group #: 1987910
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	1 J	0.8	20	1
10335	Acrolein	107-02-8	N.D.	3	100	1
10335	Acrylonitrile	107-13-1	N.D.	0.4	20	1
10335	Benzene	71-43-2	N.D.	0.2	1	1
10335	Bromochloromethane	74-97-5	N.D.	0.4	5	1
10335	Bromodichloromethane	75-27-4	N.D.	0.2	1	1
10335	Bromoform	75-25-2	N.D.	2	5	1
10335	Bromomethane	74-83-9	N.D.	0.5	1	1
10335	2-Butanone	78-93-3	N.D.	1	10	1
10335	Carbon Disulfide	75-15-0	N.D.	0.3	5	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.2	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.2	1	1
10335	Chloroethane	75-00-3	N.D.	0.3	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.4	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.2	1	1
10335	Chloromethane	74-87-3	N.D.	0.3	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	1	5	1
10335	Dibromochloromethane	124-48-1	N.D.	0.4	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.3	1	1
10335	Dibromomethane	74-95-3	N.D.	0.2	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	4	50	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.2	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	2	5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.2	1	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.2	1	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.2	1	1
10335	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.2	1	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.2	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	0.2	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.2	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.2	1	1
10335	1,3-Dichloropropene (total)	542-75-6	N.D.	0.4	5	1
10335	Ethyl ether	60-29-7	N.D.	0.7	5	1
10335	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10335	2-Hexanone	591-78-6	N.D.	3	10	1
10335	Methyl Iodide	74-88-4	N.D.	0.2	1	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.5	10	1
10335	Methylene Chloride	75-09-2	2	0.2	1	1
10335	Styrene	100-42-5	N.D.	0.2	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.4	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.2	1	1

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/17/2018 17:15
Collection Date/Time: 09/17/2018 08:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9805987
ELLE Group #: 1987910
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Tetrachloroethene	127-18-4	N.D.	0.2	1	1
10335	Tetrahydrofuran	109-99-9	N.D.	0.9	10	1
10335	Toluene	108-88-3	0.3 J	0.2	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.2	1	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.2	1	1
10335	Trichloroethene	79-01-6	N.D.	0.2	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.4	1	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	5	1
10335	Vinyl Acetate	108-05-4	N.D.	0.7	10	1
10335	Vinyl Chloride	75-01-4	N.D.	0.4	1	1
10335	m+p-Xylene	179601-23-1	N.D.	0.5	2	1
10335	o-Xylene	95-47-6	N.D.	0.3	1	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C modified**		**ug/l**	**ug/l**	**ug/l**	
00382	Dioxin Screen	n.a.	N.D.	2	2	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Acenaphthene	83-32-9	N.D.	0.1	0.5	1
14241	Acenaphthylene	208-96-8	N.D.	0.1	0.5	1
14241	Acetophenone	98-86-2	N.D.	4	10	1
14241	Anthracene	120-12-7	N.D.	0.1	0.5	1
14241	Benzidine	92-87-5	N.D.	21	62	1
14241	Benzo(a)anthracene	56-55-3	N.D.	0.1	0.5	1
14241	Benzo(a)pyrene	50-32-8	N.D.	0.1	0.5	1
14241	Benzo(b)fluoranthene	205-99-2	N.D.	0.1	0.5	1
14241	Benzo(g,h,i)perylene	191-24-2	N.D.	0.1	0.5	1
14241	Benzo(k)fluoranthene	207-08-9	N.D.	0.1	0.5	1
14241	Benzyl alcohol	100-51-6	N.D.	10	31	1
14241	4-Bromophenyl-phenylether	101-55-3	N.D.	0.5	2	1
14241	Butylbenzylphthalate	85-68-7	N.D.	2	5	1
14241	Di-n-butylphthalate	84-74-2	N.D.	2	5	1
14241	4-Chloro-3-methylphenol	59-50-7	N.D.	0.5	2	1
14241	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.5	2	1
14241	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.5	2	1
14241	bis(2-Chloroisopropyl)ether	39638-32-9	N.D.	0.5	2	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
14241	2-Chloronaphthalene	91-58-7	N.D.	0.4	1	1
14241	2-Chlorophenol	95-57-8	N.D.	0.5	2	1
14241	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.5	2	1

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/17/2018 17:15
Collection Date/Time: 09/17/2018 08:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9805987
ELLE Group #: 1987910
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Chrysene	218-01-9	N.D.	0.1	0.5	1
14241	Dibenz(a,h)anthracene	53-70-3	N.D.	0.1	0.5	1
14241	1,2-Dichlorobenzene	95-50-1	N.D.	0.5	2	1
14241	1,3-Dichlorobenzene	541-73-1	N.D.	0.5	2	1
14241	1,4-Dichlorobenzene	106-46-7	N.D.	0.5	2	1
14241	3,3'-Dichlorobenzidine	91-94-1	N.D.	3	10	1
14241	2,4-Dichlorophenol	120-83-2	N.D.	0.5	2	1
14241	Diethylphthalate	84-66-2	N.D.	2	5	1
14241	Dimethoate	60-51-5	N.D.	3	10	1
14241	2,4-Dimethylphenol	105-67-9	N.D.	3	10	1
14241	Dimethylphthalate	131-11-3	N.D.	2	5	1
14241	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	8	22	1
14241	2,4-Dinitrophenol	51-28-5	N.D.	14	31	1
14241	2,4-Dinitrotoluene	121-14-2	N.D.	1	5	1
14241	2,6-Dinitrotoluene	606-20-2	N.D.	0.5	2	1
14241	1,2-Diphenylhydrazine	122-66-7	N.D.	0.5	2	1
14241	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	5	11	1
14241	Fluoranthene	206-44-0	N.D.	0.1	0.5	1
14241	Fluorene	86-73-7	N.D.	0.1	0.5	1
14241	Hexachlorobenzene	118-74-1	N.D.	0.1	0.5	1
14241	Hexachlorobutadiene	87-68-3	N.D.	0.5	2	1
14241	Hexachlorocyclopentadiene	77-47-4	N.D.	5	11	1
14241	Hexachloroethane	67-72-1	N.D.	1	5	1
14241	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.1	0.5	1
14241	Isophorone	78-59-1	N.D.	0.5	2	1
14241	2-Methylnaphthalene	91-57-6	N.D.	0.1	0.5	1
14241	2-Methylphenol	95-48-7	N.D.	0.5	2	1
14241	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14241	Naphthalene	91-20-3	N.D.	0.1	0.5	1
14241	2-Naphthylamine	91-59-8	N.D.	7	22	1
14241	Nitrobenzene	98-95-3	N.D.	0.5	2	1
14241	2-Nitrophenol	88-75-5	N.D.	3	10	1
14241	4-Nitrophenol	100-02-7	N.D.	10	31	1
14241	N-Nitrosodimethylamine	62-75-9	N.D.	2	5	1
14241	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.7	3	1
14241	N-Nitrosodiphenylamine	86-30-6	N.D.	0.7	3	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
14241	Di-n-octylphthalate	117-84-0	N.D.	5	11	1

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/17/2018 17:15
Collection Date/Time: 09/17/2018 08:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9805987
ELLE Group #: 1987910
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Pentachlorophenol	87-86-5	N.D.	1	5	1
14241	Phenanthrene	85-01-8	N.D.	0.1	0.5	1
14241	Phenol	108-95-2	N.D.	0.5	2	1
14241	Pyrene	129-00-0	N.D.	0.1	0.5	1
14241	Pyridine	110-86-1	N.D.	2	5	1
14241	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.5	2	1
14241	2,4,5-Trichlorophenol	95-95-4	N.D.	0.5	2	1
14241	2,4,6-Trichlorophenol	88-06-2	N.D.	0.5	2	1
Herbicides	**SW-846 8151A**		**ug/l**	**ug/l**	**ug/l**	
10407	2,4-D	94-75-7	N.D. D2	0.24	0.57	1
10407	Dicamba	1918-00-9	N.D. D2	0.076	0.28	1
10407	2,4-DP (Dichlorprop)	120-36-5	N.D. D1	0.15	0.47	1
10407	2,4,5-T	93-76-5	N.D. D1	0.062	0.14	1
10407	2,4,5-TP	93-72-1	N.D. D1	0.0095	0.047	1
Organic Acids	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
08843	Acetic Acid	64-19-7	N.D.	2,000	10,000	1
08843	Butyric Acid	107-92-6	N.D.	2,000	10,000	1
08843	Isobutyric acid	79-31-2	N.D.	2,000	5,000	1
08843	Isovaleric Acid	503-74-2	N.D.	2,000	5,000	1
08843	Propionic Acid	79-09-4	N.D.	2,000	10,000	1
08843	Valeric Acid	109-52-4	N.D.	2,000	5,000	1
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.082	0.41	1
10591	PCB-1221	11104-28-2	N.D. D1	0.082	0.41	1
10591	PCB-1232	11141-16-5	N.D. D1	0.16	0.41	1
10591	PCB-1242	53469-21-9	N.D. D1	0.082	0.41	1
10591	PCB-1248	12672-29-6	N.D. D1	0.082	0.41	1
10591	PCB-1254	11097-69-1	N.D. D1	0.082	0.41	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.41	1
10591	Total PCBs	1336-36-3	N.D.	0.082	0.41	1
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	
10589	Aldrin	309-00-2	N.D. D1	0.0016	0.0082	1
10589	Alpha BHC	319-84-6	N.D. D1	0.0025	0.0082	1
10589	Beta BHC	319-85-7	N.D. D2	0.0028	0.0082	1
10589	Gamma BHC - Lindane	58-89-9	N.D. D1	0.0016	0.0082	1
10589	Alpha Chlordane	5103-71-9	N.D. D1	0.0025	0.0082	1
10589	Gamma Chlordane	5103-74-2	N.D. D1	0.0057	0.016	1
10589	p,p-DDD	72-54-8	N.D. D1	0.0041	0.016	1
10589	p,p-DDE	72-55-9	N.D. D2	0.0041	0.016	1

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/17/2018 17:15
Collection Date/Time: 09/17/2018 08:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9805987
ELLE Group #: 1987910
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	
10589	p,p-DDT	50-29-3	N.D. D1	0.0043	0.016	1
10589	Delta BHC	319-86-8	N.D. D2	0.0028	0.0082	1
10589	Dieldrin	60-57-1	N.D. D1	0.0043	0.016	1
10589	Endosulfan I	959-98-8	N.D. D2	0.0035	0.0082	1
10589	Endosulfan II	33213-65-9	N.D. D2	0.012	0.025	1
10589	Endosulfan Sulfate	1031-07-8	N.D. D1	0.0048	0.016	1
10589	Endrin	72-20-8	N.D. D1	0.0066	0.016	1
10589	Endrin Aldehyde	7421-93-4	N.D. D1	0.016	0.082	1
10589	Endrin Ketone	53494-70-5	N.D. D1	0.0041	0.016	1
10589	Heptachlor	76-44-8	N.D. D1	0.0016	0.0082	1
10589	Heptachlor Epoxide	1024-57-3	N.D. D1	0.0019	0.0082	1
10589	Methoxychlor	72-43-5	N.D. D2	0.025	0.082	1
10589	Toxaphene	8001-35-2	N.D. D2	0.25	0.82	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. A reextraction was unable to be performed within the hold time.

Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01743	Aluminum	7429-90-5	N.D.	0.153	0.600	1
07044	Antimony	7440-36-0	N.D.	0.0100	0.100	1
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07046	Barium	7440-39-3	N.D.	0.0010	0.0100	1
07047	Beryllium	7440-41-7	N.D.	0.0010	0.0100	1
08014	Boron	7440-42-8	N.D.	0.0120	0.100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
01750	Calcium	7440-70-2	0.0705 J	0.0330	1.00	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07052	Cobalt	7440-48-4	N.D.	0.0015	0.0100	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron	7439-89-6	N.D.	0.0400	0.400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01756	Lithium	7439-93-2	N.D.	0.0110	0.100	1
01757	Magnesium	7439-95-4	0.0326 J	0.0190	0.200	1
07058	Manganese	7439-96-5	N.D.	0.0011	0.0400	1
07060	Molybdenum	7439-98-7	N.D.	0.0020	0.0200	1
07061	Nickel	7440-02-0	N.D.	0.0031	0.0200	1
01762	Potassium	7440-09-7	N.D.	0.203	1.00	1
07036	Selenium	7782-49-2	N.D.	0.0210	0.100	1
07066	Silver	7440-22-4	N.D.	0.0050	0.0200	1
01767	Sodium	7440-23-5	N.D.	0.326	2.00	1
07022	Thallium	7440-28-0	N.D.	0.0140	0.0600	1
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/17/2018 17:15
Collection Date/Time: 09/17/2018 08:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9805987
ELLE Group #: 1987910
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07071	Vanadium	7440-62-2	N.D.	0.0030	0.0200	1
07072	Zinc	7440-66-6	N.D.	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	N.D.	0.20	0.40	1
01504	Fluoride	16984-48-8	N.D.	0.050	0.10	1
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.050	0.10	1
00228	Sulfate	14808-79-8	N.D.	0.30	1.0	1
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	N.D.	0.50	1.00	1
	EPA 365.1		**mg/l**	**mg/l**	**mg/l**	
13463	Hydro Phosphorus Analysis	7723-14-0	N.D.	0.050	0.10	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.050	0.10	1
01546	Soluble Phosphorus	7723-14-0	N.D.	0.10	0.30	1
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	N.D.	0.50	1.00	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
14858	Silica	7631-86-9	N.D.	0.10	0.40	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	N.D.	0.50	1.0	1
	SW-846 9012B		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)	57-12-5	N.D.	0.0050	0.010	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	N.D.	1.7	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	24.0	0.010	0.010	1
	EPA 365.3		**mg/l**	**mg/l**	**mg/l**	
00226	Orthophosphate as P	7723-14-0	0.0059 J	0.0030	0.010	1

*=This limit was used in the evaluation of the final result

Sample Description: EB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/17/2018 17:15
Collection Date/Time: 09/17/2018 08:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9805987
ELLE Group #: 1987910
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 410.4**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	N.D.	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	N.D.	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	N.D.	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	5.86	0.01	0.01	1
	SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen	7664-41-7	N.D.	0.08	0.24	1
	SM 4500-S2 F-2011		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide	18496-25-8	N.D.	0.70	2.0	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D.	2.00	2.00	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y182641AA	09/21/2018 21:56	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y182641AA	09/21/2018 21:56	Kevin D Kelly	1
00382	Dioxin Screen	SW-846 8270C modified	1	18260WDM026	09/20/2018 13:39	Edward C Monborne	1
14241	SVOAs 8270D MINI	SW-846 8270D	1	18260WAM026	09/20/2018 03:02	Ashley R Transue	1
11010	8270D BNA Extraction	SW-846 3510C	1	18260WAM026	09/18/2018 08:30	Logan M Brosemer	1
10407	DNREC 5 Herbicides	SW-846 8151A	1	182610099A	09/21/2018 03:48	Heather M Miller	1
08843	Organic Acids in Water DoD	SW-846 8015B	1	182620032A	09/20/2018 22:04	James H Place	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182630005A	09/24/2018 06:37	Kirby B Turner	1
10589	OC Pesticides in Water	SW-846 8081B	1	182630006A	10/05/2018 23:31	Andrea L Jones	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182630005A	09/20/2018 21:20	Karen L Beyer	1
11120	Pesticide Waters Update IV Ext	SW-846 3510C	1	182630006A	09/20/2018 21:20	Karen L Beyer	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	182610099A	09/18/2018 16:00	Ryan J Dowdy	1
01743	Aluminum	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07044	Antimony	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07035	Arsenic	SW-846 6010C	1	182621063502	09/25/2018 17:54	Cindy M Gehman	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/17/2018 17:15
Collection Date/Time: 09/17/2018 08:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9805987
ELLE Group #: 1987910
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07047	Beryllium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
08014	Boron	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07049	Cadmium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
01750	Calcium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07051	Chromium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07052	Cobalt	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07053	Copper	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
01754	Iron	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07055	Lead	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
01756	Lithium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
01757	Magnesium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07058	Manganese	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07060	Molybdenum	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07061	Nickel	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
01762	Potassium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07036	Selenium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07066	Silver	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
01767	Sodium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07022	Thallium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07069	Tin	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07071	Vanadium	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
07072	Zinc	SW-846 6010C	1	182621063502	09/23/2018 09:21	Jonathan J Allen	1
00259	Mercury	SW-846 7470A	1	182610571306	09/20/2018 07:57	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182621063502	09/21/2018 05:37	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182610571306	09/19/2018 19:00	Barbara A Kane	1
00224	Chloride	EPA 300.0	1	18261837115A	09/18/2018 13:23	Samuel J Weaver	1
01504	Fluoride	EPA 300.0	1	18261837115A	09/18/2018 13:23	Samuel J Weaver	1
00368	Nitrate Nitrogen	EPA 300.0	1	18261837115A	09/18/2018 13:23	Samuel J Weaver	1
00228	Sulfate	EPA 300.0	1	18261837115A	09/18/2018 13:23	Samuel J Weaver	1
00217	Kjeldahl Nitrogen	EPA 351.2	1	18263108101A	09/24/2018 11:47	Joseph E McKenzie	1
13463	Hydro Phosphorus Analysis	EPA 365.1	1	18262124101A	09/21/2018 09:17	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	18262109101A	09/21/2018 09:20	Joseph E McKenzie	1
01546	Soluble Phosphorus	EPA 365.1	1	18263111101A	09/21/2018 11:10	Joseph E McKenzie	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18263108101A	09/24/2018 11:47	Joseph E McKenzie	1
14858	Silica	SM 4500-SiO2 C-2011	1	18274129101A	10/01/2018 14:53	Joseph E McKenzie	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18263667604B	09/21/2018 04:57	Drew M Gerhart	1
08255	Total Cyanide (water)	SW-846 9012B	1	18264117102B	09/24/2018 22:06	Gregory Baldree	1
14088	Phenols (water)	SW-846 9066	1	18269126101A	09/26/2018 14:04	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18263108101A	09/20/2018 08:30	Nancy J Shoop	1
13464	Hydro Phosphorus Prep	EPA 365.1	1	18262124101A	09/19/2018 11:35	Nancy J Shoop	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	18262109101A	09/19/2018 19:30	Barbara A Washington	1
08895	Soluble Phosphorus Prep	EPA 365.1	1	18263111101A	09/20/2018 10:20	Nancy J Shoop	1
08256	Cyanide Water Distillation	SW-846 9012B	1	18264117102B	09/21/2018 18:30	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18263005102A	09/20/2018 23:35	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18263005102A	09/20/2018 23:35	Jeremy L Bolf	1
00226	Orthophosphate as P	EPA 365.3	1	18261022601A	09/18/2018 20:00	Hannah M Royer	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18263400103A	09/20/2018 04:53	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18263005102A	09/20/2018 23:35	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18263005102A	09/20/2018 23:35	Jeremy L Bolf	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18262921201A	09/19/2018 15:55	Alexa Sanchez	1

*=This limit was used in the evaluation of the final result

Sample Description: **EB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/17/2018 17:15
Collection Date/Time: 09/17/2018 08:50

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9805987
ELLE Group #: 1987910
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM 2540 D-2011	1	18263145702A	09/20/2018 20:10	Hannah M Royer	1
12152	pH	SM 4500-H+ B-2011	1	18263005102A	09/20/2018 23:35	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18265004202A	09/22/2018 15:36	Kenneth A Bell	1
01333	Sulfide	SM 4500-S2 F-2011	1	18267133301A	09/24/2018 06:25	Kevin Litwa	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18261141081A	09/18/2018 15:54	Gaurang A Pandya	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: Y182641AA	Sample number(s): 9805986-9805987		
Acetone	N.D.	0.8	20
Acrolein	N.D.	3	100
Acrylonitrile	N.D.	0.4	20
Benzene	N.D.	0.2	1
Bromochloromethane	N.D.	0.4	5
Bromodichloromethane	N.D.	0.2	1
Bromoform	N.D.	2	5
Bromomethane	N.D.	0.5	1
2-Butanone	N.D.	1	10
Carbon Disulfide	N.D.	0.3	5
Carbon Tetrachloride	N.D.	0.2	1
Chlorobenzene	N.D.	0.2	1
Chloroethane	N.D.	0.3	1
2-Chloroethyl Vinyl Ether	N.D.	0.4	10
Chloroform	N.D.	0.2	1
Chloromethane	N.D.	0.3	1
1,2-Dibromo-3-chloropropane	N.D.	1	5
Dibromochloromethane	N.D.	0.4	1
1,2-Dibromoethane	N.D.	0.3	1
Dibromomethane	N.D.	0.2	1
trans-1,4-Dichloro-2-butene	N.D.	4	50
1,1-Dichloroethane	N.D.	0.2	1
1,2-Dichloroethane	N.D.	2	5
1,1-Dichloroethene	N.D.	0.2	1
cis-1,2-Dichloroethene	N.D.	0.2	1
trans-1,2-Dichloroethene	N.D.	0.2	1
1,2-Dichloroethene (Total)	N.D.	0.2	1
1,2-Dichloropropane	N.D.	0.2	1
1,3-Dichloropropane	N.D.	0.2	1
cis-1,3-Dichloropropene	N.D.	0.2	1
trans-1,3-Dichloropropene	N.D.	0.2	1
1,3-Dichloropropene (total)	N.D.	0.4	5
Ethyl ether	N.D.	0.7	5
Ethylbenzene	N.D.	0.2	1
2-Hexanone	N.D.	3	10
Methyl Iodide	N.D.	0.2	1
4-Methyl-2-pentanone	N.D.	0.5	10
Methylene Chloride	N.D.	0.2	1
Styrene	N.D.	0.2	5

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
1,1,1,2-Tetrachloroethane	N.D.	0.4	1
1,1,2,2-Tetrachloroethane	N.D.	0.2	1
Tetrachloroethene	N.D.	0.2	1
Tetrahydrofuran	N.D.	0.9	10
Toluene	N.D.	0.2	1
1,1,1-Trichloroethane	N.D.	0.2	1
1,1,2-Trichloroethane	N.D.	0.2	1
Trichloroethene	N.D.	0.2	1
Trichlorofluoromethane	N.D.	0.4	1
1,2,3-Trichloropropane	N.D.	0.2	5
Vinyl Acetate	N.D.	0.7	10
Vinyl Chloride	N.D.	0.4	1
m+p-Xylene	N.D.	0.5	2
o-Xylene	N.D.	0.3	1
Xylene (Total)	N.D.	0.5	5
Batch number: 18260WAM026	Sample number(s): 9805987		
Acenaphthene	N.D.	0.1	0.5
Acenaphthylene	N.D.	0.1	0.5
Acetophenone	N.D.	4	10
Anthracene	N.D.	0.1	0.5
Benzidine	N.D.	20	60
Benzo(a)anthracene	N.D.	0.1	0.5
Benzo(a)pyrene	N.D.	0.1	0.5
Benzo(b)fluoranthene	N.D.	0.1	0.5
Benzo(g,h,i)perylene	N.D.	0.1	0.5
Benzo(k)fluoranthene	N.D.	0.1	0.5
Benzyl alcohol	N.D.	10	30
4-Bromophenyl-phenylether	N.D.	0.5	2
Butylbenzylphthalate	N.D.	2	5
Di-n-butylphthalate	N.D.	2	5
4-Chloro-3-methylphenol	N.D.	0.5	2
bis(2-Chloroethoxy)methane	N.D.	0.5	2
bis(2-Chloroethyl)ether	N.D.	0.5	2
bis(2-Chloroisopropyl)ether	N.D.	0.5	2
2-Chloronaphthalene	N.D.	0.4	1
2-Chlorophenol	N.D.	0.5	2
4-Chlorophenyl-phenylether	N.D.	0.5	2
Chrysene	N.D.	0.1	0.5
Dibenz(a,h)anthracene	N.D.	0.1	0.5
1,2-Dichlorobenzene	N.D.	0.5	2
1,3-Dichlorobenzene	N.D.	0.5	2
1,4-Dichlorobenzene	N.D.	0.5	2
3,3'-Dichlorobenzidine	N.D.	3	10
2,4-Dichlorophenol	N.D.	0.5	2

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Diethylphthalate	N.D.	2	5
Dimethoate	N.D.	3	10
2,4-Dimethylphenol	N.D.	3	10
Dimethylphthalate	N.D.	2	5
4,6-Dinitro-2-methylphenol	N.D.	8	21
2,4-Dinitrophenol	N.D.	14	30
2,4-Dinitrotoluene	N.D.	1	5
2,6-Dinitrotoluene	N.D.	0.5	2
1,2-Diphenylhydrazine	N.D.	0.5	2
bis(2-Ethylhexyl)phthalate	N.D.	5	11
Fluoranthene	N.D.	0.1	0.5
Fluorene	N.D.	0.1	0.5
Hexachlorobenzene	N.D.	0.1	0.5
Hexachlorobutadiene	N.D.	0.5	2
Hexachlorocyclopentadiene	N.D.	5	11
Hexachloroethane	N.D.	1	5
Indeno(1,2,3-cd)pyrene	N.D.	0.1	0.5
Isophorone	N.D.	0.5	2
2-Methylnaphthalene	N.D.	0.1	0.5
2-Methylphenol	N.D.	0.5	2
4-Methylphenol	N.D.	0.5	2
Naphthalene	N.D.	0.1	0.5
2-Naphthylamine	N.D.	7	21
Nitrobenzene	N.D.	0.5	2
2-Nitrophenol	N.D.	3	10
4-Nitrophenol	N.D.	10	30
N-Nitrosodimethylamine	N.D.	2	5
N-Nitroso-di-n-propylamine	N.D.	0.7	3
N-Nitrosodiphenylamine	N.D.	0.7	3
Di-n-octylphthalate	N.D.	5	11
Pentachlorophenol	N.D.	1	5
Phenanthrene	N.D.	0.1	0.5
Phenol	N.D.	0.5	2
Pyrene	N.D.	0.1	0.5
Pyridine	N.D.	2	5
1,2,4-Trichlorobenzene	N.D.	0.5	2
2,4,5-Trichlorophenol	N.D.	0.5	2
2,4,6-Trichlorophenol	N.D.	0.5	2
Batch number: 182610099A	Sample number(s): 9805987		
2,4-D	N.D.	0.25	0.60
Dicamba	N.D.	0.080	0.30
2,4-DP (Dichlorprop)	N.D.	0.16	0.50
2,4,5-T	N.D.	0.065	0.15
2,4,5-TP	N.D.	0.010	0.050

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: 182620032A	Sample number(s): 9805987		
Acetic Acid	N.D.	2,000	10,000
Butyric Acid	N.D.	2,000	10,000
Isobutyric acid	N.D.	2,000	5,000
Isovaleric Acid	N.D.	2,000	5,000
Propionic Acid	N.D.	2,000	10,000
Valeric Acid	N.D.	2,000	5,000
Batch number: 182630005A	Sample number(s): 9805987		
PCB-1016	N.D.	0.080	0.40
PCB-1221	N.D.	0.080	0.40
PCB-1232	N.D.	0.16	0.40
PCB-1242	N.D.	0.080	0.40
PCB-1248	N.D.	0.080	0.40
PCB-1254	N.D.	0.080	0.40
PCB-1260	N.D.	0.12	0.40
Total PCBs	N.D.	0.080	0.40
Batch number: 182630006A	Sample number(s): 9805987		
Aldrin	N.D.	0.0016	0.0080
Alpha BHC	N.D.	0.0024	0.0080
Beta BHC	N.D.	0.0027	0.0080
Gamma BHC - Lindane	N.D.	0.0016	0.0080
Alpha Chlordane	N.D.	0.0024	0.0080
Gamma Chlordane	N.D.	0.0056	0.016
p,p-DDD	N.D.	0.0040	0.016
p,p-DDE	N.D.	0.0040	0.016
p,p-DDT	N.D.	0.0042	0.016
Delta BHC	N.D.	0.0027	0.0080
Dieldrin	N.D.	0.0042	0.016
Endosulfan I	N.D.	0.0034	0.0080
Endosulfan II	N.D.	0.012	0.024
Endosulfan Sulfate	N.D.	0.0046	0.016
Endrin	N.D.	0.0065	0.016
Endrin Aldehyde	N.D.	0.016	0.080
Endrin Ketone	N.D.	0.0040	0.016
Heptachlor	N.D.	0.0016	0.0080
Heptachlor Epoxide	N.D.	0.0018	0.0080
Methoxychlor	N.D.	0.024	0.080
Toxaphene	N.D.	0.24	0.80
	mg/l	mg/l	mg/l
Batch number: 182610571306	Sample number(s): 9805987		
Mercury	N.D.	0.000050	0.00020
Batch number: 182621063502	Sample number(s): 9805987		
Aluminum	N.D.	0.153	0.600

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Antimony	N.D.	0.0100	0.100
Arsenic	N.D.	0.0160	0.100
Barium	N.D.	0.0010	0.0100
Beryllium	N.D.	0.0010	0.0100
Boron	N.D.	0.0120	0.100
Cadmium	N.D.	0.0010	0.0100
Calcium	N.D.	0.0330	1.00
Chromium	N.D.	0.0053	0.0300
Cobalt	N.D.	0.0015	0.0100
Copper	N.D.	0.0062	0.0400
Iron	N.D.	0.0400	0.400
Lead	N.D.	0.0071	0.0300
Lithium	N.D.	0.0110	0.100
Magnesium	N.D.	0.0190	0.200
Manganese	N.D.	0.0011	0.0400
Molybdenum	N.D.	0.0020	0.0200
Nickel	N.D.	0.0031	0.0200
Potassium	N.D.	0.203	1.00
Selenium	N.D.	0.0210	0.100
Silver	N.D.	0.0050	0.0200
Sodium	N.D.	0.326	2.00
Thallium	N.D.	0.0140	0.0600
Tin	N.D.	0.0070	0.100
Vanadium	N.D.	0.0030	0.0200
Zinc	N.D.	0.0030	0.0400
Batch number: 18261837115A	Sample number(s): 9805987		
Chloride	N.D.	0.20	0.40
Fluoride	N.D.	0.050	0.10
Nitrate Nitrogen	N.D.	0.050	0.10
Sulfate	N.D.	0.30	1.0
Batch number: 18262109101A	Sample number(s): 9805987		
Total Phosphorus as P (water)	N.D.	0.050	0.10
Batch number: 18262124101A	Sample number(s): 9805987		
Hydro Phosphorus Analysis	N.D.	0.050	0.10
Batch number: 18263108101A	Sample number(s): 9805987		
Kjeldahl Nitrogen	N.D.	0.50	1.00
Batch number: 18263111101A	Sample number(s): 9805987		
Soluble Phosphorus	N.D.	0.10	0.30
Batch number: 18263667604B	Sample number(s): 9805987		
Total Organic Carbon	N.D.	0.50	1.0
Batch number: 18264117102B	Sample number(s): 9805987		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18269126101A	Sample number(s): 9805987		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18274129101A	Sample number(s): 9805987		
Silica	N.D.	0.10	0.40
Batch number: 18261022601A	Sample number(s): 9805987		
Orthophosphate as P	0.0043 J	0.0030	0.010
Batch number: 18262921201A	Sample number(s): 9805987		
Total Dissolved Solids	N.D.	20.0	60.0
Batch number: 18263145702A	Sample number(s): 9805987		
Total Suspended Solids	N.D.	1.00	3.00
Batch number: 18263400103A	Sample number(s): 9805987		
Chemical Oxygen Demand	N.D.	12.8	50.0
Batch number: 18265004202A	Sample number(s): 9805987		
Ammonia-Nitrogen	N.D.	0.08	0.24
Batch number: 18267133301A	Sample number(s): 9805987		
Sulfide	N.D.	0.70	2.0
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3
Batch number: 18263005102A	Sample number(s): 9805987		
Total Alkalinity to pH 4.5	N.D.	1.7	5.0
	umhos/cm	umhos/cm	umhos/cm
Specific Conductance	N.D.	1.7	5.0

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y182641AA	Sample number(s): 9805986-9805987								
Acetone	150	152.61			102		54-157		
Acrolein	150	161.38			108		47-136		
Acrylonitrile	100	100.84			101		60-129		
Benzene	20	20.85			104		80-120		
Bromochloromethane	20	19.62			98		80-120		
Bromodichloromethane	20	20.84			104		71-120		
Bromoform	20	18.14			91		51-120		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromomethane	20	16.12			81		53-128		
2-Butanone	150	150.82			101		59-135		
Carbon Disulfide	20	18.16			91		65-128		
Carbon Tetrachloride	20	19.89			99		64-134		
Chlorobenzene	20	20.71			104		80-120		
Chloroethane	20	17.64			88		55-123		
2-Chloroethyl Vinyl Ether	20	17.1			86		49-124		
Chloroform	20	21.18			106		80-120		
Chloromethane	20	18.53			93		56-121		
1,2-Dibromo-3-chloropropane	20	20.28			101		47-131		
Dibromochloromethane	20	19.89			99		71-120		
1,2-Dibromoethane	20	21.36			107		77-120		
Dibromomethane	20	21.23			106		80-120		
trans-1,4-Dichloro-2-butene	100	107.4			107		33-143		
1,1-Dichloroethane	20	20.74			104		80-120		
1,2-Dichloroethane	20	21.44			107		73-124		
1,1-Dichloroethene	20	21.59			108		80-131		
cis-1,2-Dichloroethene	20	22.21			111		80-120		
trans-1,2-Dichloroethene	20	21.92			110		80-120		
1,2-Dichloroethene (Total)	40	44.13			110		80-120		
1,2-Dichloropropane	20	21.18			106		80-120		
1,3-Dichloropropane	20	20.69			103		80-120		
cis-1,3-Dichloropropene	20	19.45			97		75-120		
trans-1,3-Dichloropropene	20	19.23			96		67-120		
1,3-Dichloropropene (total)	40	38.68			97		70-120		
Ethyl ether	20	17.4			87		59-141		
Ethylbenzene	20	21.11			106		80-120		
2-Hexanone	100	101.27			101		56-135		
Methyl Iodide	20	19.95			100		73-125		
4-Methyl-2-pentanone	100	101.67			102		62-133		
Methylene Chloride	20	21.7			108		80-120		
Styrene	20	21.65			108		80-120		
1,1,1,2-Tetrachloroethane	20	20.76			104		78-120		
1,1,2,2-Tetrachloroethane	20	21.08			105		72-120		
Tetrachloroethene	20	20.85			104		80-120		
Tetrahydrofuran	100	113.2			113		54-144		
Toluene	20	20.98			105		80-120		
1,1,1-Trichloroethane	20	19.24			96		67-126		
1,1,2-Trichloroethane	20	21.74			109		80-120		
Trichloroethene	20	20.65			103		80-120		
Trichlorofluoromethane	20	15.84			79		55-135		
1,2,3-Trichloropropane	20	21.5			108		75-124		
Vinyl Acetate	100	121.23			121		63-145		
Vinyl Chloride	20	18.42			92		56-120		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
m+p-Xylene	40	43.01			108		80-120		
o-Xylene	20	21.52			108		80-120		
Xylene (Total)	60	64.53			108		80-120		
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 18260WAM026	Sample number(s): 9805987								
Acenaphthene	50	43.16			86		62-119		
Acenaphthylene	50	46.44			93		66-125		
Acetophenone	50	44.9			90		62-114		
Anthracene	50	47.16			94		70-118		
Benzidine	250	48.74			19		10-86		
Benzo(a)anthracene	50	51.71			103		70-123		
Benzo(a)pyrene	50	50.54			101		71-122		
Benzo(b)fluoranthene	50	48.31			97		70-120		
Benzo(g,h,i)perylene	50	45.14			90		64-119		
Benzo(k)fluoranthene	50	49.13			98		73-122		
Benzyl alcohol	50	40.24			80		59-120		
4-Bromophenyl-phenylether	50	44.04			88		64-119		
Butylbenzylphthalate	50	46.85			94		57-119		
Di-n-butylphthalate	50	47.16			94		71-113		
4-Chloro-3-methylphenol	50	44.54			89		65-122		
bis(2-Chloroethoxy)methane	50	43.56			87		64-119		
bis(2-Chloroethyl)ether	50	40.81			82		60-110		
bis(2-Chloroisopropyl)ether	50	38.79			78		50-119		
2-Chloronaphthalene	50	39.16			78		51-114		
2-Chlorophenol	50	40.53			81		58-108		
4-Chlorophenyl-phenylether	50	40.88			82		58-115		
Chrysene	50	48.25			96		71-123		
Dibenz(a,h)anthracene	50	49.14			98		67-123		
1,2-Dichlorobenzene	50	35.61			71		43-108		
1,3-Dichlorobenzene	50	33.89			68		31-110		
1,4-Dichlorobenzene	50	34.62			69		30-109		
3,3'-Dichlorobenzidine	50	46.23			92		36-116		
2,4-Dichlorophenol	50	44.43			89		65-117		
Diethylphthalate	50	41.4			83		61-111		
Dimethoate	50	25.35			51		10-105		
2,4-Dimethylphenol	50	34.68			69		52-106		
Dimethylphthalate	50	36.55			73		37-116		
4,6-Dinitro-2-methylphenol	50	46.53			93		63-129		
2,4-Dinitrophenol	100	55.33			55		26-141		
2,4-Dinitrotoluene	50	44.34			89		69-117		
2,6-Dinitrotoluene	50	45.9			92		69-122		
1,2-Diphenylhydrazine	50	46.96			94		71-127		
bis(2-Ethylhexyl)phthalate	50	50.04			100		68-120		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Fluoranthene	50	50			100		70-124		
Fluorene	50	44.79			90		62-116		
Hexachlorobenzene	50	44.68			89		65-121		
Hexachlorobutadiene	50	33.52			67		21-114		
Hexachlorocyclopentadiene	100	22.95			23		10-117		
Hexachloroethane	50	30.85			62		24-100		
Indeno(1,2,3-cd)pyrene	50	47.45			95		61-121		
Isophorone	50	43.09			86		65-123		
2-Methylnaphthalene	50	39.86			80		51-112		
2-Methylphenol	50	39.47			79		59-109		
4-Methylphenol	50	38.33			77		56-108		
Naphthalene	50	39.32			79		54-107		
2-Naphthylamine	100	33.07			33		10-94		
Nitrobenzene	50	41.76			84		59-117		
2-Nitrophenol	50	42.69			85		63-121		
4-Nitrophenol	50	31.8			64		28-88		
N-Nitrosodimethylamine	50	26.77			54		16-108		
N-Nitroso-di-n-propylamine	50	43.44			87		61-118		
N-Nitrosodiphenylamine	50	47.36			95		68-122		
Di-n-octylphthalate	50	43.91			88		67-120		
Pentachlorophenol	50	48.69			97		64-130		
Phenanthrene	50	45.78			92		68-118		
Phenol	50	25.11			50		23-82		
Pyrene	50	46.05			92		68-118		
Pyridine	50	21.22			42		13-83		
1,2,4-Trichlorobenzene	50	36.06			72		38-116		
2,4,5-Trichlorophenol	50	47.5			95		73-124		
2,4,6-Trichlorophenol	50	46.7			93		69-122		
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182610099A	Sample number(s): 9805987								
2,4-D	2.50	2.91	2.50	2.69	116	108	64-159	8	30
Dicamba	0.250	0.247	0.250	0.237	99	95	50-132	4	30
2,4-DP (Dichlorprop)	2.50	2.67	2.50	2.50	107	100	48-133	7	30
2,4,5-T	0.250	0.299	0.250	0.293	119	117	69-164	2	30
2,4,5-TP	0.250	0.297	0.250	0.271	119	109	57-136	9	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182620032A	Sample number(s): 9805987								
Acetic Acid	100200	92381.2			92		85-115		
Butyric Acid	100200	92522.55			92		85-115		
Isobutyric acid	100400	94538.4	100400	94753.21	94	94	80-120	0	30
Isovaleric Acid	99960	95451.28	99960	95572.19	95	96	80-120	0	30
Propionic Acid	100400	93698.26			93		82-115		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Valeric Acid	100200	96420.46	100200	96454.75	96	96	80-120	0	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182630005A	Sample number(s): 9805987								
PCB-1016	5.00	4.13	5.00	4.12	82	82	60-117	0	30
PCB-1260	5.05	4.89	5.05	4.78	97	95	57-134	2	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182630006A	Sample number(s): 9805987								
Aldrin	0.100	0.0701	0.100	0.0530	70	53	28-119	28	30
Alpha BHC	0.102	0.0807	0.102	0.0308	79	30*	47-132	89*	30
Beta BHC	0.100	0.0777	0.100	0.0611	78	61	56-125	24	30
Gamma BHC - Lindane	0.102	0.0769	0.102	0.0435	75	43*	51-132	55*	30
Alpha Chlordane	0.100	0.0762	0.100	0.0696	76	70	53-126	9	30
Gamma Chlordane	0.100	0.0775	0.100	0.0702	78	70	53-130	10	30
p,p-DDD	0.204	0.154	0.204	0.160	75	78	42-148	4	30
p,p-DDE	0.200	0.154	0.200	0.143	77	71	51-129	8	30
p,p-DDT	0.204	0.177	0.204	0.185	87	91	40-145	4	30
Delta BHC	0.100	0.0528	0.100	0.0619	53	62	49-140	16	30
Dieldrin	0.204	0.159	0.204	0.148	78	72	54-126	7	30
Endosulfan I	0.102	0.0696	0.102	0.0602	68	59	40-138	14	30
Endosulfan II	0.200	0.143	0.200	0.139	71	70	54-124	2	30
Endosulfan Sulfate	0.202	0.115	0.202	0.143	57	71	41-133	21	30
Endrin	0.202	0.162	0.202	0.154	80	76	35-143	5	30
Endrin Aldehyde	0.202	0.132	0.202	0.131	65	65	40-135	1	20
Endrin Ketone	0.200	0.157	0.200	0.158	79	79	44-136	0	30
Heptachlor	0.102	0.0727	0.102	0.0452	71	44	38-135	47*	30
Heptachlor Epoxide	0.100	0.0753	0.100	0.0683	75	68	56-132	10	30
Methoxychlor	1.02	1.01	1.02	0.975	99	96	39-143	3	30
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 182610571306	Sample number(s): 9805987								
Mercury	0.00100	0.000957			96		80-114		
Batch number: 182621063502	Sample number(s): 9805987								
Aluminum	2.00	2.03			102		80-120		
Antimony	0.500	0.511			102		90-117		
Arsenic	0.150	0.152			101		80-120		
Barium	2.00	1.96			98		87-111		
Beryllium	0.0500	0.0480			96		86-110		
Boron	2.00	1.85			93		80-110		
Cadmium	0.0500	0.0504			101		90-111		
Calcium	4.00	4.03			101		88-112		
Chromium	0.200	0.200			100		87-110		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Cobalt	0.500	0.508			102		90-111		
Copper	0.250	0.257			103		90-115		
Iron	1.00	1.03			103		80-114		
Lead	0.150	0.151			100		87-113		
Lithium	1.00	1.02			102		88-113		
Magnesium	2.00	2.04			102		88-114		
Manganese	0.500	0.505			101		90-112		
Molybdenum	2.00	2.00			100		85-112		
Nickel	0.500	0.512			102		90-114		
Potassium	10	10.45			104		88-112		
Selenium	0.150	0.153			102		80-120		
Silver	0.0500	0.0500			100		80-120		
Sodium	10	10.27			103		87-112		
Thallium	0.150	0.163			109		80-120		
Tin	4.00	3.91			98		89-110		
Vanadium	0.500	0.510			102		89-114		
Zinc	0.500	0.499			100		89-111		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 18261837115A	Sample number(s): 9805987								
Chloride	3.00	2.98			99		90-110		
Fluoride	0.750	0.815			109		90-110		
Nitrate Nitrogen	0.750	0.746			99		90-110		
Sulfate	7.50	7.31			97		90-110		
Batch number: 18262109101A	Sample number(s): 9805987								
Total Phosphorus as P (water)	2.19	2.20			100		89-110		
Batch number: 18262124101A	Sample number(s): 9805987								
Hydro Phosphorus Analysis	2.00	1.98			99		90-110		
Batch number: 18263108101A	Sample number(s): 9805987								
Kjeldahl Nitrogen	5.00	4.65			93		90-110		
Batch number: 18263111101A	Sample number(s): 9805987								
Soluble Phosphorus	2.19	2.30			105		89-110		
Batch number: 18263667604B	Sample number(s): 9805987								
Total Organic Carbon	25	25.35			101		91-113		
Batch number: 18264117102B	Sample number(s): 9805987								
Total Cyanide (water)	0.200	0.201			101		90-110		
Batch number: 18269126101A	Sample number(s): 9805987								
Phenols (water)	0.250	0.253			101		82-109		
Batch number: 18274129101A	Sample number(s): 9805987								

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Silica	2.00	2.03			102		95-110		
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 18261022601A	Sample number(s): 9805987								
Orthophosphate as P	0.400	0.401			100		95-105		
Batch number: 18261141081A	Sample number(s): 9805987								
Biochemical Oxygen Demand-BOD	198	180.8			91		85-115		
Batch number: 18262921201A	Sample number(s): 9805987								
Total Dissolved Solids	200	203			102		62-127		
Batch number: 18263145702A	Sample number(s): 9805987								
Total Suspended Solids	150	143.8	150	142.7	96	95	74-118	1	5
Batch number: 18263400103A	Sample number(s): 9805987								
Chemical Oxygen Demand	500	506.2			101		94-110		
Batch number: 18265004202A	Sample number(s): 9805987								
Ammonia-Nitrogen	5.00	5.03			101		77-133		
Batch number: 18267133301A	Sample number(s): 9805987								
Sulfide	20	16.51	20	16.11	83	81	80-120	2	4
	mg/l as CaCO3	**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**					
Batch number: 18263005102A	Sample number(s): 9805987								
Total Alkalinity to pH 4.5	188	166.46			89		77-109		
	Std. Units	**Std. Units**	**Std. Units**	**Std. Units**					
Batch number: 18263005102A	Sample number(s): 9805987								
pH	7.00	6.99			100		95-105		
	umhos/cm	**umhos/cm**	**umhos/cm**	**umhos/cm**					
Batch number: 18263005102A	Sample number(s): 9805987								
Specific Conductance	147	146.8			100		80-121		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 5ml Water by 8260B
Batch number: Y182641AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9805986	102	103	96	96
9805987	100	102	98	95
Blank	99	101	98	95
LCS	99	101	100	99
Limits:	80-120	80-120	80-120	80-120

Analysis Name: SVOAs 8270D MINI
Batch number: 18260WAM026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
9805987	24	20	40	66	76	93
Blank	36	48	87	77	79	96
LCS	46	60	93	80	80	91
Limits:	10-72	10-85	29-133	30-111	39-105	27-126

Analysis Name: DNREC 5 Herbicides
Batch number: 182610099A

	2,4-DCAA-D1	2,4-DCAA-D2
9805987	94	79
Blank	89	80
LCS	103	100
LCSD	97	92
Limits:	34-142	34-142

Analysis Name: Organic Acids in Water DoD
Batch number: 182620032A

	Fumaric acid
9805987	93
Blank	90
LCS	91
LCSD	91
Limits:	68-139

Analysis Name: PCBs in Water by 8082A
Batch number: 182630005A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9805987	40	32	39	31

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1987910
Reported: 10/09/2018 12:42

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PCBs in Water by 8082A
Batch number: 182630005A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
Blank	84	69	81	72
LCS	89	58	88	61
LCSD	89	47	87	47
Limits:	33-137	10-148	33-137	10-148

Analysis Name: OC Pesticides in Water
Batch number: 182630006A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9805987	58	54	55	56
Blank	68	68	69	74
LCS	79	47	80	41
LCSD	14*	37	13*	45
Limits:	29-129	32-149	29-129	32-149

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20080 | 1987910 | 9805986-87

For CIL Unmixed Monthly Leachates

Brickhouse Environmental
Environmental Consultants & Engineers
516 S. Franklin St. West Chester, PA 19382 610.692.5770 Fax: 610.692.8650

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #:
Lab Quote #:
1 of 2

Project Name: DSWA (CIL)
Project Location:
Cherry Island Landfill
Project Number: 10-2671-21
Project Manager: Doug Schott
PO No: 294389
Bill To: Above
TAT [X] Normal-Standard TAT [ ] Rush-TAT
Date Required: Approved By:
Email? [X]-Y dschott@brickhouse-environmental.com
anicolardi@brickhouse-environmental.com

Container Type	P	P	P	P	gl v	gl	P	P	P	gl	gl	P	gl	P
Container Size	250 ml	250 ml	500 ml	250 ml	40 ml	1000 ml	50 ml	250 ml	1000 ml	250 ml	250 ml	250 ml	40 ml	500 ml
Preservative	NaOH/asc	None	None	HNO3	None	None	None	None	H2SO4	H2SO4	None	H2SO4	None	None

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Total Cyanide in Water	Ortho-Phosphate as P	Flouride, Dissolved Silica, TDS	Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Hg, Mo, Ni, K, Se, Ag, Na, Tl, Sn, V, Zn	Supplemental VOCs 8260	Supplemental Herbicides	Chloride, Nitrate nitrogen, Sulfate	pH, SpCond, Tot. Alk., Phen. Alk	Ammonia Nitrogen	Phenols	Supplemental PCBs, Pesticides, SVOCs, dioxin	COD, TKN, TON, Hydro Phosphorus, Soluble P, Tot. P	Organic Acids	BOD
~~CI-MPS Unmixed 24-hr Composite~~			C	OL	1	1	1	1	*	2	1	1	1	1	4	1	2	1
EB/N2	9/17/18	850	G	OL	1	1	1	1	3	2	1	1		1	4	1	2	1
~~TB/N2~~			G	OL	1	1	1	1	2	2	1	1		1	2	1	2	1
CI-MPS Grab #1	9/17/18	1010	G	OL					3									
CI-MPS Grab #2	9/17/18	1157	G	OL					3									
CI-MPS Grab #3	9/17/18	1330	G	OL					3									
CI-MPS Grab #4	9/17/18	1450	G	OL					3									

Enter Number of Containers Per Sample or Field Results Below.

Receipt Information (Receiving Lab)
Cooler Temp: 1.2 Cooler #: 1
Therm. ID DT42-02

	Y	N
Custody Seals Present?		X
(If present) Seals Intact?		
Received on Ice?	X	
COC/Labels Agree?	X	
Cont. In Good Cond.?	X	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other
Tracking #:

Sample/COC Comments/PID Response/Etc.
field filter Orthophosphate
*Supplemental VOCs from
Laboratory Composite of Grabs #1-#4

Project Comments:

Logged By (initials/date/time)
Reviewed By (initials/date/time)

	Relinquished By / Company Name	Date	Time		Received By / Company Name	Date	Time
1	Antony Nicolardi	9/17/18	15:50	2	[signature]	9.17.18	15:50
3	[signature]	9.17.18	1715	4			
5				6			
7				8			
9				10	[signature]	9/17/18	1715

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE

Reportable to PADEP? Yes [ ]
PWSID #

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type-

* G=Grab; C=Composite **Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 1/12

20080 | 1987910 | 9805986-87

For CIL Unmixed Monthly Leachates

Brickhouse Environmental

Environmental Consultants & Engineers

515 S. Franklin St. West Chester, PA 19382 610.692.5770 Fax: 610.692.8650

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

COC #: 2 of 2

Lab Quote #:

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

Project Name: DSWA (CIL)

Project Location: Cherry Island Landfill

Project Number: 10-2671-21

Project Manager: Doug Schott

PO No: 294389

Bill To: Above

TAT [X] Normal-Standard TAT [ ] Rush-TAT

Date Required: Approved By:

Email? [X] -Y dschott@brickhouse-environmental.com; anicolardi@brickhouse-environmental.com

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Container Type	P	gl	gl	gl	gl								
					Container Size	1000 ml	500 ml	40 ml	500 ml	40 ml								
					Preservative	None	NaOH/ZnAs	H3PO4	H2SO4	HCl								
						ANALYSES/METHOD REQUESTED												
						TSS	Sulfide	TOC	Ammonia Nitrogen	Supplemental VOCs 8260								
						Enter Number of Containers Per Sample or Field Results Below.												Sample/COC Comments/PID Response/Etc.
~~OI-MPS Unmixed 24-hr Composite~~			C	OL		1	1	2		3								
EB/N2	9/17/18	850	G	OL		1	1	2	1	3								
~~TB/N2~~			~~G~~	~~OL~~		~~1~~	~~1~~	~~2~~	~~1~~	~~2~~								

Receipt Information (Receiving Lab)

Cooler Temp: 1.2 Cooler #: 1

Therm. ID DT42-02

	Y	N
Custody Seals Present?		X
(if present) Seals Intact?		
Received on Ice?	X	
COC/Labels Agree?	X	
Cont. In Good Cond.?	X	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other

Tracking #:

Project Comments:

Logged By (initials/date/time)

Reviewed By (initials/date/time)

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Cathryn Miranda	9/17/18	15:58	2	9.17.18	15:58
3	9.17.18	1715	4		
5			6		
7			8		
9			10	9/18	1715

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE

Reportable to PADEP? Yes [ ] PWSID #

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type:

* G=Grab; C=Composite

** Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 1/12

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Sample Administration Receipt Documentation Log

Doc Log ID: 227256

Group Number(s): 1987910

Client: Brickhouse

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/17/2018 17:15
Number of Packages:	1	Number of Projects:	1

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wanita Curry (14057) at 17:39 on 09/17/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-02	1.2	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Brickhouse Environmental, Inc.
515 S. Franklin Street
West Chester PA 19382

Report Date: October 09, 2018 12:42

Project: DSWA (CIL)

Account #: 20080
Group Number: 1988436
PO Number: 294389
Release Number: 10-2671-21
State of Sample Origin: DE

Electronic Copy To	Brickhouse Envir. Inc	Attn: Doug Schott
Electronic Copy To	DSWA	Attn: Shawn Kauffman
Electronic Copy To	DSWA	Attn: Daniel Fluman
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Spencer Vokorokos
Electronic Copy To	Brickhouse Envir. Inc	Attn: Michael Lane
Electronic Copy To	Brickhouse Environmental, Inc.	Attn: Anthony Nicolardi

Respectfully Submitted,

Jordan Zito
Project Manager

(717) 556-7289

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
CI-MPS Unmixed 24-hr Composite Leachate	09/18/2018 09:40	9808155
TB/N2 Water	09/18/2018 09:41	9808156

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **CI-MPS Unmixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808155
ELLE Group #: 1988436
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C modified**		**ug/l**	**ug/l**	**ug/l**	
00382	Dioxin Screen	n.a.	N.D.	2	2	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Acenaphthene	83-32-9	1	0.1	0.5	1
14241	Acenaphthylene	208-96-8	N.D.	0.1	0.5	1
14241	Acetophenone	98-86-2	N.D.	4	10	1
14241	Anthracene	120-12-7	1	0.1	0.5	1
14241	Benzidine	92-87-5	N.D.	20	61	1
14241	Benzo(a)anthracene	56-55-3	N.D.	0.1	0.5	1
14241	Benzo(a)pyrene	50-32-8	N.D.	0.1	0.5	1
14241	Benzo(b)fluoranthene	205-99-2	N.D.	0.1	0.5	1
14241	Benzo(g,h,i)perylene	191-24-2	N.D.	0.1	0.5	1
14241	Benzo(k)fluoranthene	207-08-9	N.D.	0.1	0.5	1
14241	Benzyl alcohol	100-51-6	N.D.	10	31	1
14241	4-Bromophenyl-phenylether	101-55-3	N.D.	0.5	2	1
14241	Butylbenzylphthalate	85-68-7	N.D.	2	5	1
14241	Di-n-butylphthalate	84-74-2	N.D.	2	5	1
14241	4-Chloro-3-methylphenol	59-50-7	N.D.	0.5	2	1
14241	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.5	2	1
14241	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.5	2	1
14241	bis(2-Chloroisopropyl)ether	39638-32-9	N.D.	0.5	2	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
14241	2-Chloronaphthalene	91-58-7	N.D.	0.4	1	1
14241	2-Chlorophenol	95-57-8	N.D.	0.5	2	1
14241	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.5	2	1
14241	Chrysene	218-01-9	N.D.	0.1	0.5	1
14241	Dibenz(a,h)anthracene	53-70-3	N.D.	0.1	0.5	1
14241	1,2-Dichlorobenzene	95-50-1	7	0.5	2	1
14241	1,3-Dichlorobenzene	541-73-1	N.D.	0.5	2	1
14241	1,4-Dichlorobenzene	106-46-7	2 J	0.5	2	1
14241	3,3'-Dichlorobenzidine	91-94-1	N.D.	3	10	1
14241	2,4-Dichlorophenol	120-83-2	N.D.	0.5	2	1
14241	Diethylphthalate	84-66-2	N.D.	2	5	1
14241	Dimethoate	60-51-5	N.D.	3	10	1
14241	2,4-Dimethylphenol	105-67-9	N.D.	3	10	1
14241	Dimethylphthalate	131-11-3	N.D.	2	5	1
14241	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	8	21	1
14241	2,4-Dinitrophenol	51-28-5	N.D.	14	31	1
14241	2,4-Dinitrotoluene	121-14-2	N.D.	1	5	1
14241	2,6-Dinitrotoluene	606-20-2	N.D.	0.5	2	1

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Unmixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808155
ELLE Group #: 1988436
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	1,2-Diphenylhydrazine	122-66-7	N.D.	0.5	2	1
14241	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	5	11	1
14241	Fluoranthene	206-44-0	N.D.	0.1	0.5	1
14241	Fluorene	86-73-7	0.7	0.1	0.5	1
14241	Hexachlorobenzene	118-74-1	N.D.	0.1	0.5	1
14241	Hexachlorobutadiene	87-68-3	N.D.	0.5	2	1
14241	Hexachlorocyclopentadiene	77-47-4	N.D.	5	11	1
14241	Hexachloroethane	67-72-1	N.D.	1	5	1
14241	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.1	0.5	1
14241	Isophorone	78-59-1	N.D.	0.5	2	1
14241	2-Methylnaphthalene	91-57-6	N.D.	0.1	0.5	1
14241	2-Methylphenol	95-48-7	N.D.	0.5	2	1
14241	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14241	Naphthalene	91-20-3	N.D.	0.1	0.5	1
14241	2-Naphthylamine	91-59-8	N.D.	7	21	1
14241	Nitrobenzene	98-95-3	N.D.	0.5	2	1
14241	2-Nitrophenol	88-75-5	N.D.	3	10	1
14241	4-Nitrophenol	100-02-7	N.D.	10	31	1
14241	N-Nitrosodimethylamine	62-75-9	N.D.	2	5	1
14241	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.7	3	1
14241	N-Nitrosodiphenylamine	86-30-6	N.D.	0.7	3	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
14241	Di-n-octylphthalate	117-84-0	N.D.	5	11	1
14241	Pentachlorophenol	87-86-5	N.D.	1	5	1
14241	Phenanthrene	85-01-8	N.D.	0.1	0.5	1
14241	Phenol	108-95-2	N.D.	0.5	2	1
14241	Pyrene	129-00-0	N.D.	0.1	0.5	1
14241	Pyridine	110-86-1	N.D.	2	5	1
14241	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.5	2	1
14241	2,4,5-Trichlorophenol	95-95-4	N.D.	0.5	2	1
14241	2,4,6-Trichlorophenol	88-06-2	N.D.	0.5	2	1
Herbicides	**SW-846 8151A**		**ug/l**	**ug/l**	**ug/l**	
10407	2,4-D	94-75-7	0.36 JPD1	0.24	0.59	1
10407	Dicamba	1918-00-9	N.D. D1	0.078	0.29	1
10407	2,4-DP (Dichlorprop)	120-36-5	0.94 PD1	0.16	0.49	1
10407	2,4,5-T	93-76-5	N.D. D1	0.064	0.15	1
10407	2,4,5-TP	93-72-1	N.D. VD1	0.022	0.049	1

The surrogate data is outside the QC limits due to unresolvable

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Unmixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808155
ELLE Group #: 1988436
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
matrix problems evident in the sample chromatogram.						
Organic Acids	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
08843	Acetic Acid	64-19-7	N.D.	2,000	10,000	1
08843	Butyric Acid	107-92-6	N.D.	2,000	10,000	1
08843	Isobutyric acid	79-31-2	N.D.	2,000	5,000	1
08843	Isovaleric Acid	503-74-2	N.D.	2,000	5,000	1
08843	Propionic Acid	79-09-4	N.D.	2,000	10,000	1
08843	Valeric Acid	109-52-4	N.D.	2,000	5,000	1
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.082	0.41	1
10591	PCB-1221	11104-28-2	N.D. D1	0.082	0.41	1
10591	PCB-1232	11141-16-5	N.D. D1	0.16	0.41	1
10591	PCB-1242	53469-21-9	N.D. D1	0.082	0.41	1
10591	PCB-1248	12672-29-6	N.D. D1	0.082	0.41	1
10591	PCB-1254	11097-69-1	N.D. D1	0.082	0.41	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.41	1
10591	Total PCBs	1336-36-3	N.D.	0.082	0.41	1
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	
10589	Aldrin	309-00-2	N.D. D2	0.0082	0.041	5
10589	Alpha BHC	319-84-6	N.D. D2	0.012	0.041	5
10589	Beta BHC	319-85-7	0.024 JPD2	0.014	0.041	5
10589	Gamma BHC - Lindane	58-89-9	N.D. D1	0.0082	0.041	5
10589	Alpha Chlordane	5103-71-9	N.D. D1	0.012	0.041	5
10589	Gamma Chlordane	5103-74-2	N.D. D1	0.029	0.082	5
10589	p,p-DDD	72-54-8	N.D. D2	0.020	0.082	5
10589	p,p-DDE	72-55-9	N.D. D1	0.020	0.082	5
10589	p,p-DDT	50-29-3	N.D. D1	0.021	0.082	5
10589	Delta BHC	319-86-8	N.D. D1	0.014	0.041	5
10589	Dieldrin	60-57-1	N.D. D1	0.022	0.082	5
10589	Endosulfan I	959-98-8	0.063 D1	0.018	0.041	5
10589	Endosulfan II	33213-65-9	N.D. D1	0.061	0.12	5
10589	Endosulfan Sulfate	1031-07-8	N.D. D1	0.024	0.082	5
10589	Endrin	72-20-8	N.D. D1	0.033	0.082	5
10589	Endrin Aldehyde	7421-93-4	N.D. D1	0.082	0.41	5
10589	Endrin Ketone	53494-70-5	N.D. D1	0.020	0.082	5
10589	Heptachlor	76-44-8	N.D. D2	0.0082	0.041	5
10589	Heptachlor Epoxide	1024-57-3	N.D. D2	0.0094	0.041	5
10589	Methoxychlor	72-43-5	N.D. D1	0.12	0.41	5
10589	Toxaphene	8001-35-2	N.D. D2	1.2	4.1	5

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. A reextraction was unable to be performed within

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Unmixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808155
ELLE Group #: 1988436
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor

the hold time.

Reporting limits were raised due to interference from the sample matrix.

Metals		**SW-846 6010C**	**mg/l**	**mg/l**	**mg/l**	
01743	Aluminum	7429-90-5	N.D.	0.153	0.600	1
07044	Antimony	7440-36-0	N.D.	0.0100	0.100	1
07035	Arsenic	7440-38-2	0.0350 J	0.0160	0.100	1
07046	Barium	7440-39-3	0.326	0.0010	0.0100	1
07047	Beryllium	7440-41-7	N.D.	0.0010	0.0100	1
08014	Boron	7440-42-8	7.16	0.0120	0.100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
01750	Calcium	7440-70-2	188	0.0330	1.00	1
07051	Chromium	7440-47-3	0.0516	0.0053	0.0300	1
07052	Cobalt	7440-48-4	0.0104	0.0015	0.0100	1
07053	Copper	7440-50-8	0.106	0.0062	0.0400	1
01754	Iron	7439-89-6	2.45	0.0400	0.400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01756	Lithium	7439-93-2	0.0553 J	0.0110	0.100	1
01757	Magnesium	7439-95-4	226	0.0190	0.200	1
07058	Manganese	7439-96-5	3.36	0.0011	0.0400	1
07060	Molybdenum	7439-98-7	0.0033 J	0.0020	0.0200	1
07061	Nickel	7440-02-0	0.0332	0.0031	0.0200	1
01762	Potassium	7440-09-7	189	0.203	1.00	1
07036	Selenium	7782-49-2	N.D.	0.0210	0.100	1
07066	Silver	7440-22-4	N.D.	0.0050	0.0200	1
01767	Sodium	7440-23-5	636	1.63	10.0	5
07022	Thallium	7440-28-0	N.D.	0.0140	0.0600	1
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1
07071	Vanadium	7440-62-2	0.0250	0.0030	0.0200	1
07072	Zinc	7440-66-6	0.0157 J	0.0030	0.0400	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry		**EPA 300.0**	**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	783	40.0	80.0	200
01504	Fluoride	16984-48-8	N.D.	0.25	0.50	5
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
00228	Sulfate	14808-79-8	176	6.0	20.0	20
		EPA 351.2	**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	293.30	25.00	50.00	50
		EPA 365.1	**mg/l**	**mg/l**	**mg/l**	

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Unmixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808155
ELLE Group #: 1988436
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 365.1**		**mg/l**	**mg/l**	**mg/l**	
13463	Hydro Phosphorus Analysis	7723-14-0	N.D.	0.050	0.10	1
00227	Total Phosphorus as P (water)	7723-14-0	2.7	0.25	0.50	5
01546	Soluble Phosphorus	7723-14-0	2.6	0.50	1.5	5
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	N.D.	25.00	50.00	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
14858	Silica	7631-86-9	44.7	2.0	8.0	20
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	180	5.0	10.0	10
	SW-846 9012B		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)	57-12-5	0.054	0.0050	0.010	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.25	0.50	25
	Reporting limits were raised due to interference from the sample matrix.					
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	8,250	8.5	25.0	5
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.5	0.010	0.010	1
	EPA 350.2		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	306.05	1.25	3.75	5
	EPA 365.3		**mg/l**	**mg/l**	**mg/l**	
00226	Orthophosphate as P	7723-14-0	2.8	0.015	0.050	5
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	603	32.0	125	2.5
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	2,750	8.5	25.0	5
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	8.5	25.0	5
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	3,470	400	1,200	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Unmixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808155
ELLE Group #: 1988436
Matrix: Leachate

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2540 D-2011**		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	8.96	1.00	3.00	1
Wet Chemistry	**SM 4500-H+ B-2011**		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	7.62	0.01	0.01	1
	SM 4500-S2 F-2011		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide	18496-25-8	N.D.	0.70	2.0	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	29.1	2.00	2.00	1

Sample Comments

Preservation requirements were not met. The pH preservation of all non-volatile containers was checked upon receipt at the laboratory. The container for the following analysis was not within specification and was adjusted accordingly by the laboratory: Kjeldahl Nitrogen, Ammonia Nitrogen, Total Phosphorus as P (water), Total Organic Carbon, Soluble Phosphorus, Chemical Oxygen Demand, Hydro Phosphorus Analysis, Phenols (water)

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00382	Dioxin Screen	SW-846 8270C modified	1	18267WDB026	09/26/2018 16:54	Edward C Monborne	1
14241	SVOAs 8270D MINI	SW-846 8270D	1	18267WAB026	09/26/2018 12:11	Edward C Monborne	1
11010	8270D BNA Extraction	SW-846 3510C	1	18267WAB026	09/24/2018 16:40	Kate E Lutte	1
10407	DNREC 5 Herbicides	SW-846 8151A	1	182640013A	09/24/2018 14:29	Heather M Miller	1
08843	Organic Acids in Water DoD	SW-846 8015B	1	182620032A	09/20/2018 23:29	James H Place	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182630005A	09/24/2018 08:19	Kirby B Turner	1
10589	OC Pesticides in Water	SW-846 8081B	1	182630006A	10/05/2018 21:48	Andrea L Jones	5
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182630005A	09/20/2018 21:20	Karen L Beyer	1
11120	Pesticide Waters Update IV Ext	SW-846 3510C	1	182630006A	09/20/2018 21:20	Karen L Beyer	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	182640013A	09/23/2018 05:00	Bradley W VanLeuven	1
01743	Aluminum	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07044	Antimony	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07046	Barium	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
08014	Boron	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
01750	Calcium	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07053	Copper	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
01754	Iron	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1

*=This limit was used in the evaluation of the final result

Sample Description: **CI-MPS Unmixed 24-hr Composite Leachate DSWA (CIL)**

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:40

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808155
ELLE Group #: 1988436
Matrix: Leachate

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
01756	Lithium	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
01757	Magnesium	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07060	Molybdenum	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
01762	Potassium	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07066	Silver	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
01767	Sodium	SW-846 6010C	1	182641063503	09/27/2018 05:59	Lisa J Cooke	5
07022	Thallium	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07069	Tin	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	182641063503	09/26/2018 10:25	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	182640571301	09/24/2018 07:30	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182641063503	09/24/2018 05:35	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182640571301	09/22/2018 15:00	JoElla L Rice	1
00224	Chloride	EPA 300.0	2	18262520106A	09/19/2018 14:48	Ashlynn M Cornelius	200
01504	Fluoride	EPA 300.0	1	18262520106A	09/19/2018 13:53	Ashlynn M Cornelius	5
00368	Nitrate Nitrogen	EPA 300.0	1	18262520106A	09/19/2018 13:53	Ashlynn M Cornelius	5
00228	Sulfate	EPA 300.0	1	18262520106A	09/22/2018 20:43	Samuel J Weaver	20
00217	Kjeldahl Nitrogen	EPA 351.2	1	18268108102B	09/26/2018 13:16	Joseph E McKenzie	50
13463	Hydro Phosphorus Analysis	EPA 365.1	1	18262124101A	09/21/2018 09:17	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	18262109101B	09/21/2018 09:46	Joseph E McKenzie	5
01546	Soluble Phosphorus	EPA 365.1	1	18263111101A	09/21/2018 11:24	Joseph E McKenzie	5
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18268108102B	09/26/2018 13:16	Joseph E McKenzie	1
14858	Silica	SM 4500-SiO2 C-2011	1	18274129101A	10/01/2018 15:36	Joseph E McKenzie	20
00273	Total Organic Carbon	SM 5310 C-2011	1	18264667602B	09/21/2018 22:48	Drew M Gerhart	10
08255	Total Cyanide (water)	SW-846 9012B	1	18268117101A	09/26/2018 18:50	Gregory Baldree	1
14088	Phenols (water)	SW-846 9066	1	18269126101A	09/26/2018 14:07	Brianna A Poole	25
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18268108102B	09/25/2018 18:00	Barbara A Washington	1
13464	Hydro Phosphorus Prep	EPA 365.1	1	18262124101A	09/19/2018 11:35	Nancy J Shoop	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	18262109101B	09/19/2018 19:30	Barbara A Washington	1
08895	Soluble Phosphorus Prep	EPA 365.1	1	18263111101A	09/20/2018 10:20	Nancy J Shoop	1
08256	Cyanide Water Distillation	SW-846 9012B	1	18268117101A	09/25/2018 17:15	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18264003102A	09/21/2018 19:34	Jeremy L Bolf	5
12151	Temperature of pH	EPA 170.1	1	18269005102A	09/26/2018 18:47	Jeremy L Bolf	1
00221	Ammonia Nitrogen	EPA 350.2	1	18268022101A	09/25/2018 15:00	Luz M Groff	5
00226	Orthophosphate as P	EPA 365.3	1	18262022601A	09/19/2018 22:25	Daniel S Smith	5
04001	Chemical Oxygen Demand	EPA 410.4	1	18266400102B	09/23/2018 06:21	Susan A Engle	2.5
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18264003102A	09/21/2018 19:34	Jeremy L Bolf	5
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18264003102A	09/21/2018 19:34	Jeremy L Bolf	5
00212	Total Dissolved Solids	SM 2540 C-2011	2	18268921201A	09/25/2018 15:02	Angelica Cintron	1
10457	Total Suspended Solids	SM 2540 D-2011	1	18263145703A	09/20/2018 21:25	Hannah M Royer	1
12152	pH	SM 4500-H+ B-2011	1	18269005102A	09/26/2018 18:47	Jeremy L Bolf	1
01333	Sulfide	SM 4500-S2 F-2011	1	18267133301A	09/24/2018 06:25	Kevin Litwa	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18261141082A	09/18/2018 22:56	Joseph Knisely	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:41

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808156
ELLE Group #: 1988436
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Acetone	67-64-1	1 J	0.8	20	1
10335	Acrolein	107-02-8	N.D.	3	100	1
10335	Acrylonitrile	107-13-1	N.D.	0.4	20	1
10335	Benzene	71-43-2	N.D.	0.2	1	1
10335	Bromochloromethane	74-97-5	N.D.	0.4	5	1
10335	Bromodichloromethane	75-27-4	N.D.	0.2	1	1
10335	Bromoform	75-25-2	N.D.	2	5	1
10335	Bromomethane	74-83-9	N.D.	0.5	1	1
10335	2-Butanone	78-93-3	N.D.	1	10	1
10335	Carbon Disulfide	75-15-0	N.D.	0.3	5	1
10335	Carbon Tetrachloride	56-23-5	N.D.	0.2	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.2	1	1
10335	Chloroethane	75-00-3	N.D.	0.3	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.4	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.2	1	1
10335	Chloromethane	74-87-3	N.D.	0.3	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	1	5	1
10335	Dibromochloromethane	124-48-1	N.D.	0.4	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.3	1	1
10335	Dibromomethane	74-95-3	N.D.	0.2	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	4	50	1
10335	1,1-Dichloroethane	75-34-3	N.D.	0.2	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	2	5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.2	1	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.2	1	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.2	1	1
10335	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.2	1	1
10335	1,2-Dichloropropane	78-87-5	N.D.	0.2	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	0.2	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.2	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.2	1	1
10335	1,3-Dichloropropene (total)	542-75-6	N.D.	0.4	5	1
10335	Ethyl ether	60-29-7	N.D.	0.7	5	1
10335	Ethylbenzene	100-41-4	N.D.	0.2	1	1
10335	2-Hexanone	591-78-6	N.D.	3	10	1
10335	Methyl Iodide	74-88-4	N.D.	0.2	1	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	0.5	10	1
10335	Methylene Chloride	75-09-2	N.D.	0.2	1	1
10335	Styrene	100-42-5	N.D.	0.2	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.4	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.2	1	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:41

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808156
ELLE Group #: 1988436
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10335	Tetrachloroethene	127-18-4	N.D.	0.2	1	1
10335	Tetrahydrofuran	109-99-9	N.D.	0.9	10	1
10335	Toluene	108-88-3	N.D.	0.2	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.2	1	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.2	1	1
10335	Trichloroethene	79-01-6	N.D.	0.2	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	0.4	1	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	5	1
10335	Vinyl Acetate	108-05-4	N.D.	0.7	10	1
10335	Vinyl Chloride	75-01-4	N.D.	0.4	1	1
10335	m+p-Xylene	179601-23-1	N.D.	0.5	2	1
10335	o-Xylene	95-47-6	N.D.	0.3	1	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	5	1
GC/MS Semivolatiles	**SW-846 8270C modified**		**ug/l**	**ug/l**	**ug/l**	
00382	Dioxin Screen	n.a.	N.D.	2	2	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Acenaphthene	83-32-9	N.D.	0.1	0.5	1
14241	Acenaphthylene	208-96-8	N.D.	0.1	0.5	1
14241	Acetophenone	98-86-2	N.D.	4	10	1
14241	Anthracene	120-12-7	N.D.	0.1	0.5	1
14241	Benzidine	92-87-5	N.D.	20	60	1
14241	Benzo(a)anthracene	56-55-3	N.D.	0.1	0.5	1
14241	Benzo(a)pyrene	50-32-8	N.D.	0.1	0.5	1
14241	Benzo(b)fluoranthene	205-99-2	N.D.	0.1	0.5	1
14241	Benzo(g,h,i)perylene	191-24-2	N.D.	0.1	0.5	1
14241	Benzo(k)fluoranthene	207-08-9	N.D.	0.1	0.5	1
14241	Benzyl alcohol	100-51-6	N.D.	10	30	1
14241	4-Bromophenyl-phenylether	101-55-3	N.D.	0.5	2	1
14241	Butylbenzylphthalate	85-68-7	N.D.	2	5	1
14241	Di-n-butylphthalate	84-74-2	N.D.	2	5	1
14241	4-Chloro-3-methylphenol	59-50-7	N.D.	0.5	2	1
14241	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.5	2	1
14241	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.5	2	1
14241	bis(2-Chloroisopropyl)ether	39638-32-9	N.D.	0.5	2	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
14241	2-Chloronaphthalene	91-58-7	N.D.	0.4	1	1
14241	2-Chlorophenol	95-57-8	N.D.	0.5	2	1
14241	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.5	2	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:41

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808156
ELLE Group #: 1988436
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Chrysene	218-01-9	N.D.	0.1	0.5	1
14241	Dibenz(a,h)anthracene	53-70-3	N.D.	0.1	0.5	1
14241	1,2-Dichlorobenzene	95-50-1	N.D.	0.5	2	1
14241	1,3-Dichlorobenzene	541-73-1	N.D.	0.5	2	1
14241	1,4-Dichlorobenzene	106-46-7	N.D.	0.5	2	1
14241	3,3'-Dichlorobenzidine	91-94-1	N.D.	3	10	1
14241	2,4-Dichlorophenol	120-83-2	N.D.	0.5	2	1
14241	Diethylphthalate	84-66-2	N.D.	2	5	1
14241	Dimethoate	60-51-5	N.D.	3	10	1
14241	2,4-Dimethylphenol	105-67-9	N.D.	3	10	1
14241	Dimethylphthalate	131-11-3	N.D.	2	5	1
14241	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	8	21	1
14241	2,4-Dinitrophenol	51-28-5	N.D.	14	30	1
14241	2,4-Dinitrotoluene	121-14-2	N.D.	1	5	1
14241	2,6-Dinitrotoluene	606-20-2	N.D.	0.5	2	1
14241	1,2-Diphenylhydrazine	122-66-7	N.D.	0.5	2	1
14241	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	5	11	1
14241	Fluoranthene	206-44-0	N.D.	0.1	0.5	1
14241	Fluorene	86-73-7	N.D.	0.1	0.5	1
14241	Hexachlorobenzene	118-74-1	N.D.	0.1	0.5	1
14241	Hexachlorobutadiene	87-68-3	N.D.	0.5	2	1
14241	Hexachlorocyclopentadiene	77-47-4	N.D.	5	11	1
14241	Hexachloroethane	67-72-1	N.D.	1	5	1
14241	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.1	0.5	1
14241	Isophorone	78-59-1	N.D.	0.5	2	1
14241	2-Methylnaphthalene	91-57-6	N.D.	0.1	0.5	1
14241	2-Methylphenol	95-48-7	N.D.	0.5	2	1
14241	4-Methylphenol	106-44-5	N.D.	0.5	2	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
14241	Naphthalene	91-20-3	N.D.	0.1	0.5	1
14241	2-Naphthylamine	91-59-8	N.D.	7	21	1
14241	Nitrobenzene	98-95-3	N.D.	0.5	2	1
14241	2-Nitrophenol	88-75-5	N.D.	3	10	1
14241	4-Nitrophenol	100-02-7	N.D.	10	30	1
14241	N-Nitrosodimethylamine	62-75-9	N.D.	2	5	1
14241	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.7	3	1
14241	N-Nitrosodiphenylamine	86-30-6	N.D.	0.7	3	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
14241	Di-n-octylphthalate	117-84-0	N.D.	5	11	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:41

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808156
ELLE Group #: 1988436
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
14241	Pentachlorophenol	87-86-5	N.D.	1	5	1
14241	Phenanthrene	85-01-8	N.D.	0.1	0.5	1
14241	Phenol	108-95-2	N.D.	0.5	2	1
14241	Pyrene	129-00-0	N.D.	0.1	0.5	1
14241	Pyridine	110-86-1	N.D.	2	5	1
14241	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.5	2	1
14241	2,4,5-Trichlorophenol	95-95-4	N.D.	0.5	2	1
14241	2,4,6-Trichlorophenol	88-06-2	N.D.	0.5	2	1
Herbicides	**SW-846 8151A**		**ug/l**	**ug/l**	**ug/l**	
10407	2,4-D	94-75-7	N.D. D2	0.24	0.56	1
10407	Dicamba	1918-00-9	N.D. D2	0.075	0.28	1
10407	2,4-DP (Dichlorprop)	120-36-5	N.D. D1	0.15	0.47	1
10407	2,4,5-T	93-76-5	N.D. D1	0.061	0.14	1
10407	2,4,5-TP	93-72-1	N.D. D1	0.0094	0.047	1
Organic Acids	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
08843	Acetic Acid	64-19-7	N.D.	2,000	10,000	1
08843	Butyric Acid	107-92-6	N.D.	2,000	10,000	1
08843	Isobutyric acid	79-31-2	N.D.	2,000	5,000	1
08843	Isovaleric Acid	503-74-2	N.D.	2,000	5,000	1
08843	Propionic Acid	79-09-4	N.D.	2,000	10,000	1
08843	Valeric Acid	109-52-4	N.D.	2,000	5,000	1
PCBs	**SW-846 8082A**		**ug/l**	**ug/l**	**ug/l**	
10591	PCB-1016	12674-11-2	N.D. D1	0.081	0.40	1
10591	PCB-1221	11104-28-2	N.D. D1	0.081	0.40	1
10591	PCB-1232	11141-16-5	N.D. D1	0.16	0.40	1
10591	PCB-1242	53469-21-9	N.D. D1	0.081	0.40	1
10591	PCB-1248	12672-29-6	N.D. D1	0.081	0.40	1
10591	PCB-1254	11097-69-1	N.D. D1	0.081	0.40	1
10591	PCB-1260	11096-82-5	N.D. D1	0.12	0.40	1
10591	Total PCBs	1336-36-3	N.D.	0.081	0.40	1
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	
10589	Aldrin	309-00-2	N.D. D1	0.0016	0.0081	1
10589	Alpha BHC	319-84-6	N.D. D1	0.0024	0.0081	1
10589	Beta BHC	319-85-7	N.D. D2	0.0028	0.0081	1
10589	Gamma BHC - Lindane	58-89-9	N.D. D1	0.0016	0.0081	1
10589	Alpha Chlordane	5103-71-9	N.D. D1	0.0024	0.0081	1
10589	Gamma Chlordane	5103-74-2	N.D. D1	0.0057	0.016	1
10589	p,p-DDD	72-54-8	N.D. D1	0.0040	0.016	1
10589	p,p-DDE	72-55-9	N.D. D1	0.0040	0.016	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:41

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808156
ELLE Group #: 1988436
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	
10589	p,p-DDT	50-29-3	N.D. D1	0.0042	0.016	1
10589	Delta BHC	319-86-8	N.D. D2	0.0028	0.0081	1
10589	Dieldrin	60-57-1	N.D. D1	0.0043	0.016	1
10589	Endosulfan I	959-98-8	N.D. D2	0.0035	0.0081	1
10589	Endosulfan II	33213-65-9	N.D. D1	0.012	0.024	1
10589	Endosulfan Sulfate	1031-07-8	N.D. D1	0.0047	0.016	1
10589	Endrin	72-20-8	N.D. D1	0.0066	0.016	1
10589	Endrin Aldehyde	7421-93-4	N.D. D1	0.016	0.081	1
10589	Endrin Ketone	53494-70-5	N.D. D1	0.0040	0.016	1
10589	Heptachlor	76-44-8	N.D. D2	0.0016	0.0081	1
10589	Heptachlor Epoxide	1024-57-3	N.D. D1	0.0019	0.0081	1
10589	Methoxychlor	72-43-5	N.D. D2	0.024	0.081	1
10589	Toxaphene	8001-35-2	N.D. D2	0.24	0.81	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. A reextraction was unable to be performed within the hold time.

Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01743	Aluminum	7429-90-5	N.D.	0.153	0.600	1
07044	Antimony	7440-36-0	N.D.	0.0100	0.100	1
07035	Arsenic	7440-38-2	N.D.	0.0160	0.100	1
07046	Barium	7440-39-3	N.D.	0.0010	0.0100	1
07047	Beryllium	7440-41-7	N.D.	0.0010	0.0100	1
08014	Boron	7440-42-8	0.0165 J	0.0120	0.100	1
07049	Cadmium	7440-43-9	N.D.	0.0010	0.0100	1
01750	Calcium	7440-70-2	N.D.	0.0330	1.00	1
07051	Chromium	7440-47-3	N.D.	0.0053	0.0300	1
07052	Cobalt	7440-48-4	N.D.	0.0015	0.0100	1
07053	Copper	7440-50-8	N.D.	0.0062	0.0400	1
01754	Iron	7439-89-6	N.D.	0.0400	0.400	1
07055	Lead	7439-92-1	N.D.	0.0071	0.0300	1
01756	Lithium	7439-93-2	N.D.	0.0110	0.100	1
01757	Magnesium	7439-95-4	0.0198 J	0.0190	0.200	1
07058	Manganese	7439-96-5	N.D.	0.0011	0.0400	1
07060	Molybdenum	7439-98-7	0.0036 J	0.0020	0.0200	1
07061	Nickel	7440-02-0	N.D.	0.0031	0.0200	1
01762	Potassium	7440-09-7	0.323 J	0.203	1.00	1
07036	Selenium	7782-49-2	N.D.	0.0210	0.100	1
07066	Silver	7440-22-4	N.D.	0.0050	0.0200	1
01767	Sodium	7440-23-5	N.D.	0.326	2.00	1
07022	Thallium	7440-28-0	N.D.	0.0140	0.0600	1
07069	Tin	7440-31-5	N.D.	0.0070	0.100	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:41

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808156
ELLE Group #: 1988436
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07071	Vanadium	7440-62-2	N.D.	0.0030	0.0200	1
07072	Zinc	7440-66-6	N.D.	0.0030	0.0400	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000050	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	N.D.	0.20	0.40	1
01504	Fluoride	16984-48-8	N.D.	0.050	0.10	1
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.050	0.10	1
00228	Sulfate	14808-79-8	N.D.	0.30	1.0	1
	EPA 351.2		**mg/l**	**mg/l**	**mg/l**	
00217	Kjeldahl Nitrogen	n.a.	N.D.	0.50	1.00	1
	EPA 365.1		**mg/l**	**mg/l**	**mg/l**	
13463	Hydro Phosphorus Analysis	7723-14-0	N.D.	0.050	0.10	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.050	0.10	1
01546	Soluble Phosphorus	7723-14-0	N.D.	0.10	0.30	1
	SM 4500 Norg-2011		**mg/l**	**mg/l**	**mg/l**	
00223	Organic Nitrogen	n.a.	N.D.	0.50	1.00	1
	SM 4500-SiO2 C-2011		**mg/l**	**mg/l**	**mg/l**	
14858	Silica	7631-86-9	N.D.	0.10	0.40	1
	SM 5310 C-2011		**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	0.73 J	0.50	1.0	1
	SW-846 9012B		**mg/l**	**mg/l**	**mg/l**	
08255	Total Cyanide (water)	57-12-5	0.0075 J	0.0050	0.010	1
	SW-846 9066		**mg/l**	**mg/l**	**mg/l**	
14088	Phenols (water)	n.a.	N.D.	0.010	0.020	1
	EPA 120.1		**umhos/cm**	**umhos/cm**	**umhos/cm**	
12146	Specific Conductance	n.a.	N.D.	1.7	5.0	1
	EPA 170.1		**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	24.0	0.010	0.010	1
	EPA 365.3		**mg/l**	**mg/l**	**mg/l**	
00226	Orthophosphate as P	7723-14-0	0.0038 J	0.0030	0.010	1

*=This limit was used in the evaluation of the final result

Sample Description: TB/N2 Water
DSWA (CIL)

Project Name: DSWA (CIL)

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:41

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808156
ELLE Group #: 1988436
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 410.4**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	N.D.	1.7	5.0	1
12707	Phenolphthalein Alk. to pH 8.3	n.a.	N.D.	1.7	5.0	1
	SM 2540 C-2011		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	N.D.	20.0	60.0	1
	SM 2540 D-2011		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	N.D.	1.00	3.00	1
	SM 4500-H+ B-2011		**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	5.64	0.01	0.01	1
	SM 4500-NH3 D-2011		**mg/l**	**mg/l**	**mg/l**	
12677	Ammonia-Nitrogen	7664-41-7	N.D.	0.08	0.24	1
	SM 4500-S2 F-2011		**mg/l**	**mg/l**	**mg/l**	
01333	Sulfide	18496-25-8	N.D.	0.70	2.0	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	N.D.	2.00	2.00	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs- 5ml Water by 8260B	SW-846 8260B	1	Y182681AA	09/25/2018 14:54	Laura Duquette	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y182681AA	09/25/2018 14:54	Laura Duquette	1
00382	Dioxin Screen	SW-846 8270C modified	1	18267WDB026	09/26/2018 17:13	Edward C Monborne	1
14241	SVOAs 8270D MINI	SW-846 8270D	1	18267WAB026	09/26/2018 05:26	Ashley R Transue	1
11010	8270D BNA Extraction	SW-846 3510C	1	18267WAB026	09/24/2018 16:40	Kate E Lutte	1
10407	DNREC 5 Herbicides	SW-846 8151A	1	182640013A	09/24/2018 15:02	Heather M Miller	1
08843	Organic Acids in Water DoD	SW-846 8015B	1	182620032A	09/21/2018 00:55	James H Place	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	182630005A	09/24/2018 08:31	Kirby B Turner	1
10589	OC Pesticides in Water	SW-846 8081B	1	182630006A	10/05/2018 22:14	Andrea L Jones	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	182630005A	09/20/2018 21:20	Karen L Beyer	1
11120	Pesticide Waters Update IV Ext	SW-846 3510C	1	182630006A	09/20/2018 21:20	Karen L Beyer	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	182640013A	09/23/2018 05:00	Bradley W VanLeuven	1
01743	Aluminum	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07044	Antimony	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:41

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808156
ELLE Group #: 1988436
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
08014	Boron	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
01750	Calcium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07053	Copper	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
01754	Iron	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07055	Lead	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
01756	Lithium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
01757	Magnesium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07060	Molybdenum	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
01762	Potassium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07066	Silver	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
01767	Sodium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07022	Thallium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07069	Tin	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	182641063503	09/26/2018 10:43	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	182640571301	09/24/2018 07:32	Damary Valentin	1
10635	ICP-WW, 3005A (tot rec) - U4	SW-846 3005A	1	182641063503	09/24/2018 05:35	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	182640571301	09/22/2018 15:00	JoElla L Rice	1
00224	Chloride	EPA 300.0	1	18262520106A	09/19/2018 15:43	Ashlynn M Cornelius	1
01504	Fluoride	EPA 300.0	1	18262520106A	09/19/2018 15:43	Ashlynn M Cornelius	1
00368	Nitrate Nitrogen	EPA 300.0	1	18262520106A	09/19/2018 15:43	Ashlynn M Cornelius	1
00228	Sulfate	EPA 300.0	1	18262520106A	09/19/2018 15:43	Ashlynn M Cornelius	1
00217	Kjeldahl Nitrogen	EPA 351.2	1	18268108102B	09/26/2018 12:25	Joseph E McKenzie	1
13463	Hydro Phosphorus Analysis	EPA 365.1	1	18262124101A	09/21/2018 09:19	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	18262109101B	09/21/2018 09:32	Joseph E McKenzie	1
01546	Soluble Phosphorus	EPA 365.1	1	18263111101A	09/21/2018 11:11	Joseph E McKenzie	1
00223	Organic Nitrogen	SM 4500 Norg-2011	1	18268108102B	09/26/2018 12:25	Joseph E McKenzie	1
14858	Silica	SM 4500-SiO2 C-2011	1	18274129101A	10/01/2018 14:52	Joseph E McKenzie	1
00273	Total Organic Carbon	SM 5310 C-2011	1	18264667602B	09/21/2018 23:03	Drew M Gerhart	1
08255	Total Cyanide (water)	SW-846 9012B	1	18268117101A	09/26/2018 18:52	Gregory Baldree	1
14088	Phenols (water)	SW-846 9066	1	18269126101A	09/26/2018 14:09	Brianna A Poole	1
01460	Total Kjeldahl Nitrogen Digest	EPA 351.2	1	18268108102B	09/25/2018 18:00	Barbara A Washington	1
13464	Hydro Phosphorus Prep	EPA 365.1	1	18262124101A	09/19/2018 11:35	Nancy J Shoop	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	18262109101B	09/19/2018 19:30	Barbara A Washington	1
08895	Soluble Phosphorus Prep	EPA 365.1	1	18263111101A	09/20/2018 10:20	Nancy J Shoop	1
08256	Cyanide Water Distillation	SW-846 9012B	1	18268117101A	09/25/2018 17:15	Barbara A Washington	1
12146	Specific Conductance	EPA 120.1	1	18263005102A	09/20/2018 23:40	Jeremy L Bolf	1
12151	Temperature of pH	EPA 170.1	1	18263005102A	09/20/2018 23:40	Jeremy L Bolf	1
00226	Orthophosphate as P	EPA 365.3	1	18262022601A	09/19/2018 22:25	Daniel S Smith	1
04001	Chemical Oxygen Demand	EPA 410.4	1	18266400102A	09/23/2018 06:21	Susan A Engle	1
12150	Total Alkalinity to pH 4.5	SM 2320 B-2011	1	18263005102A	09/20/2018 23:40	Jeremy L Bolf	1
12707	Phenolphthalein Alk. to pH 8.3	SM 2320 B-2011	1	18263005102A	09/20/2018 23:40	Jeremy L Bolf	1
00212	Total Dissolved Solids	SM 2540 C-2011	1	18263921201A	09/20/2018 17:16	Alexa Sanchez	1

*=This limit was used in the evaluation of the final result

Sample Description: **TB/N2 Water**
DSWA (CIL)

Project Name: **DSWA (CIL)**

Submittal Date/Time: 09/18/2018 17:34
Collection Date/Time: 09/18/2018 09:41

Brickhouse Environmental, Inc.
ELLE Sample #: WW 9808156
ELLE Group #: 1988436
Matrix: Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM 2540 D-2011	1	18263145703A	09/20/2018 21:25	Hannah M Royer	1
12152	pH	SM 4500-H+ B-2011	1	18263005102A	09/20/2018 23:40	Jeremy L Bolf	1
12677	Ammonia-Nitrogen	SM 4500-NH3 D-2011	1	18265004202A	09/22/2018 16:40	Kenneth A Bell	1
01333	Sulfide	SM 4500-S2 F-2011	1	18267133301A	09/24/2018 06:25	Kevin Litwa	1
14108	Biochemical Oxygen Demand-BOD	SM 5210 B-2011	1	18261141082A	09/18/2018 22:56	Joseph Knisely	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: Y182681AA	Sample number(s): 9808156		
Acetone	N.D.	0.8	20
Acrolein	N.D.	3	100
Acrylonitrile	N.D.	0.4	20
Benzene	N.D.	0.2	1
Bromochloromethane	N.D.	0.4	5
Bromodichloromethane	N.D.	0.2	1
Bromoform	N.D.	2	5
Bromomethane	N.D.	0.5	1
2-Butanone	N.D.	1	10
Carbon Disulfide	N.D.	0.3	5
Carbon Tetrachloride	N.D.	0.2	1
Chlorobenzene	N.D.	0.2	1
Chloroethane	N.D.	0.3	1
2-Chloroethyl Vinyl Ether	N.D.	0.4	10
Chloroform	N.D.	0.2	1
Chloromethane	N.D.	0.3	1
1,2-Dibromo-3-chloropropane	N.D.	1	5
Dibromochloromethane	N.D.	0.4	1
1,2-Dibromoethane	N.D.	0.3	1
Dibromomethane	N.D.	0.2	1
trans-1,4-Dichloro-2-butene	N.D.	4	50
1,1-Dichloroethane	N.D.	0.2	1
1,2-Dichloroethane	N.D.	2	5
1,1-Dichloroethene	N.D.	0.2	1
cis-1,2-Dichloroethene	N.D.	0.2	1
trans-1,2-Dichloroethene	N.D.	0.2	1
1,2-Dichloroethene (Total)	N.D.	0.2	1
1,2-Dichloropropane	N.D.	0.2	1
1,3-Dichloropropane	N.D.	0.2	1
cis-1,3-Dichloropropene	N.D.	0.2	1
trans-1,3-Dichloropropene	N.D.	0.2	1
1,3-Dichloropropene (total)	N.D.	0.4	5
Ethyl ether	N.D.	0.7	5
Ethylbenzene	N.D.	0.2	1
2-Hexanone	N.D.	3	10
Methyl Iodide	N.D.	0.2	1
4-Methyl-2-pentanone	N.D.	0.5	10
Methylene Chloride	N.D.	0.2	1
Styrene	N.D.	0.2	5

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
1,1,1,2-Tetrachloroethane	N.D.	0.4	1
1,1,2,2-Tetrachloroethane	N.D.	0.2	1
Tetrachloroethene	N.D.	0.2	1
Tetrahydrofuran	N.D.	0.9	10
Toluene	N.D.	0.2	1
1,1,1-Trichloroethane	N.D.	0.2	1
1,1,2-Trichloroethane	N.D.	0.2	1
Trichloroethene	N.D.	0.2	1
Trichlorofluoromethane	N.D.	0.4	1
1,2,3-Trichloropropane	N.D.	0.2	5
Vinyl Acetate	N.D.	0.7	10
Vinyl Chloride	N.D.	0.4	1
m+p-Xylene	N.D.	0.5	2
o-Xylene	N.D.	0.3	1
Xylene (Total)	N.D.	0.5	5
Batch number: 18267WAB026	Sample number(s): 9808155-9808156		
Acenaphthene	N.D.	0.1	0.5
Acenaphthylene	N.D.	0.1	0.5
Acetophenone	N.D.	4	10
Anthracene	N.D.	0.1	0.5
Benzidine	N.D.	20	60
Benzo(a)anthracene	N.D.	0.1	0.5
Benzo(a)pyrene	N.D.	0.1	0.5
Benzo(b)fluoranthene	N.D.	0.1	0.5
Benzo(g,h,i)perylene	N.D.	0.1	0.5
Benzo(k)fluoranthene	N.D.	0.1	0.5
Benzyl alcohol	N.D.	10	30
4-Bromophenyl-phenylether	N.D.	0.5	2
Butylbenzylphthalate	N.D.	2	5
Di-n-butylphthalate	N.D.	2	5
4-Chloro-3-methylphenol	N.D.	0.5	2
bis(2-Chloroethoxy)methane	N.D.	0.5	2
bis(2-Chloroethyl)ether	N.D.	0.5	2
bis(2-Chloroisopropyl)ether	N.D.	0.5	2
2-Chloronaphthalene	N.D.	0.4	1
2-Chlorophenol	N.D.	0.5	2
4-Chlorophenyl-phenylether	N.D.	0.5	2
Chrysene	N.D.	0.1	0.5
Dibenz(a,h)anthracene	N.D.	0.1	0.5
1,2-Dichlorobenzene	N.D.	0.5	2
1,3-Dichlorobenzene	N.D.	0.5	2
1,4-Dichlorobenzene	N.D.	0.5	2
3,3'-Dichlorobenzidine	N.D.	3	10
2,4-Dichlorophenol	N.D.	0.5	2

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Diethylphthalate	N.D.	2	5
Dimethoate	N.D.	3	10
2,4-Dimethylphenol	N.D.	3	10
Dimethylphthalate	N.D.	2	5
4,6-Dinitro-2-methylphenol	N.D.	8	21
2,4-Dinitrophenol	N.D.	14	30
2,4-Dinitrotoluene	N.D.	1	5
2,6-Dinitrotoluene	N.D.	0.5	2
1,2-Diphenylhydrazine	N.D.	0.5	2
bis(2-Ethylhexyl)phthalate	N.D.	5	11
Fluoranthene	N.D.	0.1	0.5
Fluorene	N.D.	0.1	0.5
Hexachlorobenzene	N.D.	0.1	0.5
Hexachlorobutadiene	N.D.	0.5	2
Hexachlorocyclopentadiene	N.D.	5	11
Hexachloroethane	N.D.	1	5
Indeno(1,2,3-cd)pyrene	N.D.	0.1	0.5
Isophorone	N.D.	0.5	2
2-Methylnaphthalene	N.D.	0.1	0.5
2-Methylphenol	N.D.	0.5	2
4-Methylphenol	N.D.	0.5	2
Naphthalene	N.D.	0.1	0.5
2-Naphthylamine	N.D.	7	21
Nitrobenzene	N.D.	0.5	2
2-Nitrophenol	N.D.	3	10
4-Nitrophenol	N.D.	10	30
N-Nitrosodimethylamine	N.D.	2	5
N-Nitroso-di-n-propylamine	N.D.	0.7	3
N-Nitrosodiphenylamine	N.D.	0.7	3
Di-n-octylphthalate	N.D.	5	11
Pentachlorophenol	N.D.	1	5
Phenanthrene	N.D.	0.1	0.5
Phenol	N.D.	0.5	2
Pyrene	N.D.	0.1	0.5
Pyridine	N.D.	2	5
1,2,4-Trichlorobenzene	N.D.	0.5	2
2,4,5-Trichlorophenol	N.D.	0.5	2
2,4,6-Trichlorophenol	N.D.	0.5	2
Batch number: 182640013A	Sample number(s): 9808155-9808156		
2,4-D	N.D.	0.25	0.60
Dicamba	N.D.	0.080	0.30
2,4-DP (Dichlorprop)	N.D.	0.16	0.50
2,4,5-T	N.D.	0.065	0.15
2,4,5-TP	N.D.	0.010	0.050

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: 182620032A	Sample number(s): 9808155-9808156		
Acetic Acid	N.D.	2,000	10,000
Butyric Acid	N.D.	2,000	10,000
Isobutyric acid	N.D.	2,000	5,000
Isovaleric Acid	N.D.	2,000	5,000
Propionic Acid	N.D.	2,000	10,000
Valeric Acid	N.D.	2,000	5,000
Batch number: 182630005A	Sample number(s): 9808155-9808156		
PCB-1016	N.D.	0.080	0.40
PCB-1221	N.D.	0.080	0.40
PCB-1232	N.D.	0.16	0.40
PCB-1242	N.D.	0.080	0.40
PCB-1248	N.D.	0.080	0.40
PCB-1254	N.D.	0.080	0.40
PCB-1260	N.D.	0.12	0.40
Total PCBs	N.D.	0.080	0.40
Batch number: 182630006A	Sample number(s): 9808155-9808156		
Aldrin	N.D.	0.0016	0.0080
Alpha BHC	N.D.	0.0024	0.0080
Beta BHC	N.D.	0.0027	0.0080
Gamma BHC - Lindane	N.D.	0.0016	0.0080
Alpha Chlordane	N.D.	0.0024	0.0080
Gamma Chlordane	N.D.	0.0056	0.016
p,p-DDD	N.D.	0.0040	0.016
p,p-DDE	N.D.	0.0040	0.016
p,p-DDT	N.D.	0.0042	0.016
Delta BHC	N.D.	0.0027	0.0080
Dieldrin	N.D.	0.0042	0.016
Endosulfan I	N.D.	0.0034	0.0080
Endosulfan II	N.D.	0.012	0.024
Endosulfan Sulfate	N.D.	0.0046	0.016
Endrin	N.D.	0.0065	0.016
Endrin Aldehyde	N.D.	0.016	0.080
Endrin Ketone	N.D.	0.0040	0.016
Heptachlor	N.D.	0.0016	0.0080
Heptachlor Epoxide	N.D.	0.0018	0.0080
Methoxychlor	N.D.	0.024	0.080
Toxaphene	N.D.	0.24	0.80
	mg/l	mg/l	mg/l
Batch number: 182640571301	Sample number(s): 9808155-9808156		
Mercury	N.D.	0.000050	0.00020
Batch number: 182641063503	Sample number(s): 9808155-9808156		
Aluminum	N.D.	0.153	0.600

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Antimony	N.D.	0.0100	0.100
Arsenic	N.D.	0.0160	0.100
Barium	N.D.	0.0010	0.0100
Beryllium	N.D.	0.0010	0.0100
Boron	N.D.	0.0120	0.100
Cadmium	N.D.	0.0010	0.0100
Calcium	N.D.	0.0330	1.00
Chromium	N.D.	0.0053	0.0300
Cobalt	N.D.	0.0015	0.0100
Copper	N.D.	0.0062	0.0400
Iron	N.D.	0.0400	0.400
Lead	N.D.	0.0071	0.0300
Lithium	N.D.	0.0110	0.100
Magnesium	N.D.	0.0190	0.200
Manganese	N.D.	0.0011	0.0400
Molybdenum	N.D.	0.0020	0.0200
Nickel	N.D.	0.0031	0.0200
Potassium	N.D.	0.203	1.00
Selenium	N.D.	0.0210	0.100
Silver	N.D.	0.0050	0.0200
Sodium	N.D.	0.326	2.00
Thallium	N.D.	0.0140	0.0600
Tin	N.D.	0.0070	0.100
Vanadium	N.D.	0.0030	0.0200
Zinc	N.D.	0.0030	0.0400
Batch number: 18262109101B	Sample number(s): 9808155-9808156		
Total Phosphorus as P (water)	N.D.	0.050	0.10
Batch number: 18262124101A	Sample number(s): 9808155-9808156		
Hydro Phosphorus Analysis	N.D.	0.050	0.10
Batch number: 18262520106A	Sample number(s): 9808155-9808156		
Chloride	N.D.	0.20	0.40
Fluoride	N.D.	0.050	0.10
Nitrate Nitrogen	N.D.	0.050	0.10
Sulfate	N.D.	0.30	1.0
Batch number: 18263111101A	Sample number(s): 9808155-9808156		
Soluble Phosphorus	N.D.	0.10	0.30
Batch number: 18264667602B	Sample number(s): 9808155-9808156		
Total Organic Carbon	N.D.	0.50	1.0
Batch number: 18268108102B	Sample number(s): 9808155-9808156		
Kjeldahl Nitrogen	N.D.	0.50	1.00
Batch number: 18268117101A	Sample number(s): 9808155-9808156		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

Method Blank (continued)

Analysis Name	Result	MDL**	LOQ
	mg/l	mg/l	mg/l
Total Cyanide (water)	N.D.	0.0050	0.010
Batch number: 18269126101A	Sample number(s): 9808155-9808156		
Phenols (water)	N.D.	0.010	0.020
Batch number: 18274129101A	Sample number(s): 9808155-9808156		
Silica	N.D.	0.10	0.40
Batch number: 18262022601A	Sample number(s): 9808155-9808156		
Orthophosphate as P	N.D.	0.0030	0.010
Batch number: 18263145703A	Sample number(s): 9808155-9808156		
Total Suspended Solids	N.D.	1.00	3.00
Batch number: 18263921201A	Sample number(s): 9808156		
Total Dissolved Solids	N.D.	20.0	60.0
Batch number: 18265004202A	Sample number(s): 9808156		
Ammonia-Nitrogen	N.D.	0.08	0.24
Batch number: 18266400102A	Sample number(s): 9808156		
Chemical Oxygen Demand	N.D.	12.8	50.0
Batch number: 18266400102B	Sample number(s): 9808155		
Chemical Oxygen Demand	N.D.	12.8	50.0
Batch number: 18267133301A	Sample number(s): 9808155-9808156		
Sulfide	N.D.	0.70	2.0
Batch number: 18268022101A	Sample number(s): 9808155		
Ammonia Nitrogen	N.D.	0.25	0.75
Batch number: 18268921201A	Sample number(s): 9808155		
Total Dissolved Solids	N.D.	20.0	60.0
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3
Batch number: 18263005102A	Sample number(s): 9808156		
Total Alkalinity to pH 4.5	N.D.	1.7	5.0
Batch number: 18264003102A	Sample number(s): 9808155		
Total Alkalinity to pH 4.5	N.D.	1.7	5.0
	umhos/cm	umhos/cm	umhos/cm
Batch number: 18263005102A	Sample number(s): 9808156		
Specific Conductance	N.D.	1.7	5.0
Batch number: 18264003102A	Sample number(s): 9808155		
Specific Conductance	N.D.	1.7	5.0

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y182681AA	Sample number(s): 9808156								
Acetone	150	162.85			109		54-157		
Acrolein	150	168.78			113		47-136		
Acrylonitrile	100	99.5			99		60-129		
Benzene	20	20.84			104		80-120		
Bromochloromethane	20	19.58			98		80-120		
Bromodichloromethane	20	20.68			103		71-120		
Bromoform	20	15.97			80		51-120		
Bromomethane	20	16.17			81		53-128		
2-Butanone	150	147.99			99		59-135		
Carbon Disulfide	20	16.98			85		65-128		
Carbon Tetrachloride	20	21.81			109		64-134		
Chlorobenzene	20	21.12			106		80-120		
Chloroethane	20	16.58			83		55-123		
2-Chloroethyl Vinyl Ether	20	17.49			87		49-124		
Chloroform	20	21.72			109		80-120		
Chloromethane	20	17.16			86		56-121		
1,2-Dibromo-3-chloropropane	20	18.11			91		47-131		
Dibromochloromethane	20	18.74			94		71-120		
1,2-Dibromoethane	20	21.05			105		77-120		
Dibromomethane	20	21.55			108		80-120		
trans-1,4-Dichloro-2-butene	100	75.12			75		33-143		
1,1-Dichloroethane	20	20.7			104		80-120		
1,2-Dichloroethane	20	22.58			113		73-124		
1,1-Dichloroethene	20	22.01			110		80-131		
cis-1,2-Dichloroethene	20	21.77			109		80-120		
trans-1,2-Dichloroethene	20	21.63			108		80-120		
1,2-Dichloroethene (Total)	40	43.4			109		80-120		
1,2-Dichloropropane	20	21.29			106		80-120		
1,3-Dichloropropane	20	20.67			103		80-120		
cis-1,3-Dichloropropene	20	18.12			91		75-120		
trans-1,3-Dichloropropene	20	18.04			90		67-120		
1,3-Dichloropropene (total)	40	36.16			90		70-120		
Ethyl ether	20	16.49			82		59-141		
Ethylbenzene	20	21.09			105		80-120		
2-Hexanone	100	102.58			103		56-135		
Methyl Iodide	20	19.42			97		73-125		
4-Methyl-2-pentanone	100	101.31			101		62-133		
Methylene Chloride	20	21.51			108		80-120		
Styrene	20	21.76			109		80-120		
1,1,1,2-Tetrachloroethane	20	20.98			105		78-120		
1,1,2,2-Tetrachloroethane	20	20.6			103		72-120		
Tetrachloroethene	20	22.32			112		80-120		

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Tetrahydrofuran	100	122.11			122		54-144		
Toluene	20	21.05			105		80-120		
1,1,1-Trichloroethane	20	20.46			102		67-126		
1,1,2-Trichloroethane	20	22.04			110		80-120		
Trichloroethene	20	21.35			107		80-120		
Trichlorofluoromethane	20	18.93			95		55-135		
1,2,3-Trichloropropane	20	21.29			106		75-124		
Vinyl Acetate	100	116.34			116		63-145		
Vinyl Chloride	20	17.9			89		56-120		
m+p-Xylene	40	43.42			109		80-120		
o-Xylene	20	21.07			105		80-120		
Xylene (Total)	60	64.48			107		80-120		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 18267WAB026	Sample number(s): 9808155-9808156								
Acenaphthene	50	39.49	50	38.87	79	78	62-119	2	30
Acenaphthylene	50	44.88	50	44.02	90	88	66-125	2	30
Acetophenone	50	43.52	50	44.9	87	90	62-114	3	30
Anthracene	50	43.68	50	45.08	87	90	70-118	3	30
Benzidine	250	35.23	250	40.89	14	16	10-86	15	30
Benzo(a)anthracene	50	44.47	50	45.68	89	91	70-123	3	30
Benzo(a)pyrene	50	46.46	50	48.72	93	97	71-122	5	30
Benzo(b)fluoranthene	50	46.61	50	48.32	93	97	70-120	4	30
Benzo(g,h,i)perylene	50	39.41	50	40.88	79	82	64-119	4	30
Benzo(k)fluoranthene	50	46.42	50	48.25	93	97	73-122	4	30
Benzyl alcohol	50	42.16	50	43.03	84	86	59-120	2	30
4-Bromophenyl-phenylether	50	39.97	50	40.65	80	81	64-119	2	30
Butylbenzylphthalate	50	44.55	50	46.68	89	93	57-119	5	30
Di-n-butylphthalate	50	48.47	50	50.96	97	102	71-113	5	30
4-Chloro-3-methylphenol	50	46.32	50	48.14	93	96	65-122	4	30
bis(2-Chloroethoxy)methane	50	43.28	50	44.82	87	90	64-119	4	30
bis(2-Chloroethyl)ether	50	40.46	50	41.66	81	83	60-110	3	30
bis(2-Chloroisopropyl)ether	50	39.85	50	41.29	80	83	50-119	4	30
2-Chloronaphthalene	50	34.92	50	33.64	70	67	51-114	4	30
2-Chlorophenol	50	40.2	50	40.38	80	81	58-108	0	30
4-Chlorophenyl-phenylether	50	38.34	50	38.99	77	78	58-115	2	30
Chrysene	50	43.88	50	44.42	88	89	71-123	1	30
Dibenz(a,h)anthracene	50	41.97	50	44.68	84	89	67-123	6	30
1,2-Dichlorobenzene	50	32.54	50	32.76	65	66	43-108	1	30
1,3-Dichlorobenzene	50	29.69	50	29.63	59	59	31-110	0	30
1,4-Dichlorobenzene	50	30.63	50	30.33	61	61	30-109	1	30
3,3'-Dichlorobenzidine	50	33.18	50	33.03	66	66	36-116	0	30
2,4-Dichlorophenol	50	43.55	50	43.39	87	87	65-117	0	30
Diethylphthalate	50	42.94	50	45.85	86	92	61-111	7	30

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Dimethoate	50	31.07	50	36.07	62	72	10-105	15	30
2,4-Dimethylphenol	50	34.33	50	35.31	69	71	52-106	3	30
Dimethylphthalate	50	36.15	50	39.07	72	78	37-116	8	30
4,6-Dinitro-2-methylphenol	50	49.57	50	49	99	98	63-129	1	30
2,4-Dinitrophenol	100	100.57	100	105.83	101	106	26-141	5	30
2,4-Dinitrotoluene	50	44.35	50	46.85	89	94	69-117	5	30
2,6-Dinitrotoluene	50	46.51	50	48.71	93	97	69-122	5	30
1,2-Diphenylhydrazine	50	47	50	46.73	94	93	71-127	1	30
bis(2-Ethylhexyl)phthalate	50	47.12	50	48.3	94	97	68-120	2	30
Fluoranthene	50	47.36	50	48.94	95	98	70-124	3	30
Fluorene	50	42.81	50	42.95	86	86	62-116	0	30
Hexachlorobenzene	50	39.76	50	40.64	80	81	65-121	2	30
Hexachlorobutadiene	50	24.44	50	23.14	49	46	21-114	5	30
Hexachlorocyclopentadiene	100	18.75	100	17.66	19	18	10-117	6	30
Hexachloroethane	50	26.14	50	24.65	52	49	24-100	6	30
Indeno(1,2,3-cd)pyrene	50	40.11	50	42.13	80	84	61-121	5	30
Isophorone	50	45.44	50	47.69	91	95	65-123	5	30
2-Methylnaphthalene	50	37.26	50	37.07	75	74	51-112	1	30
2-Methylphenol	50	39.52	50	40.79	79	82	59-109	3	30
4-Methylphenol	50	37.81	50	38.49	76	77	56-108	2	30
Naphthalene	50	36.81	50	37.08	74	74	54-107	1	30
2-Naphthylamine	100	38.9	100	38.69	39	39	10-94	1	30
Nitrobenzene	50	41.59	50	42.65	83	85	59-117	3	30
2-Nitrophenol	50	42.86	50	43.85	86	88	63-121	2	30
4-Nitrophenol	50	26.26	50	26.96	53	54	28-88	3	30
N-Nitrosodimethylamine	50	27.24	50	28.73	54	57	16-108	5	30
N-Nitroso-di-n-propylamine	50	43.5	50	45.4	87	91	61-118	4	30
N-Nitrosodiphenylamine	50	46.73	50	47.38	93	95	68-122	1	30
Di-n-octylphthalate	50	44.45	50	46.72	89	93	67-120	5	30
Pentachlorophenol	50	46.9	50	47.44	94	95	64-130	1	30
Phenanthrene	50	42.19	50	42.77	84	86	68-118	1	30
Phenol	50	23.3	50	23.99	47	48	23-82	3	30
Pyrene	50	41.97	50	44.32	84	89	68-118	5	30
Pyridine	50	22.98	50	23.79	46	48	13-83	3	30
1,2,4-Trichlorobenzene	50	31.38	50	31.43	63	63	38-116	0	30
2,4,5-Trichlorophenol	50	47.54	50	47.52	95	95	73-124	0	30
2,4,6-Trichlorophenol	50	47.13	50	46.9	94	94	69-122	0	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182640013A	Sample number(s): 9808155-9808156								
2,4-D	2.50	2.64	2.50	2.86	105	114	64-159	8	30
Dicamba	0.250	0.246	0.250	0.242	98	97	50-132	2	30
2,4-DP (Dichlorprop)	2.50	2.62	2.50	2.71	105	108	48-133	3	30
2,4,5-T	0.250	0.289	0.250	0.297	116	119	69-164	3	30

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2,4,5-TP	0.250	0.292	0.250	0.301	117	120	57-136	3	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182620032A	Sample number(s): 9808155-9808156								
Acetic Acid	100200	92381.2			92		85-115		
Butyric Acid	100200	92522.55			92		85-115		
Isobutyric acid	100400	94538.4	100400	94753.21	94	94	80-120	0	30
Isovaleric Acid	99960	95451.28	99960	95572.19	95	96	80-120	0	30
Propionic Acid	100400	93698.26			93		82-115		
Valeric Acid	100200	96420.46	100200	96454.75	96	96	80-120	0	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182630005A	Sample number(s): 9808155-9808156								
PCB-1016	5.00	4.13	5.00	4.12	82	82	60-117	0	30
PCB-1260	5.05	4.89	5.05	4.78	97	95	57-134	2	30
	ug/l	**ug/l**	**ug/l**	**ug/l**					
Batch number: 182630006A	Sample number(s): 9808155-9808156								
Aldrin	0.100	0.0701	0.100	0.0530	70	53	28-119	28	30
Alpha BHC	0.102	0.0807	0.102	0.0308	79	30*	47-132	89*	30
Beta BHC	0.100	0.0777	0.100	0.0611	78	61	56-125	24	30
Gamma BHC - Lindane	0.102	0.0769	0.102	0.0435	75	43*	51-132	55*	30
Alpha Chlordane	0.100	0.0762	0.100	0.0696	76	70	53-126	9	30
Gamma Chlordane	0.100	0.0775	0.100	0.0702	78	70	53-130	10	30
p,p-DDD	0.204	0.154	0.204	0.160	75	78	42-148	4	30
p,p-DDE	0.200	0.154	0.200	0.143	77	71	51-129	8	30
p,p-DDT	0.204	0.177	0.204	0.185	87	91	40-145	4	30
Delta BHC	0.100	0.0528	0.100	0.0619	53	62	49-140	16	30
Dieldrin	0.204	0.159	0.204	0.148	78	72	54-126	7	30
Endosulfan I	0.102	0.0696	0.102	0.0602	68	59	40-138	14	30
Endosulfan II	0.200	0.143	0.200	0.139	71	70	54-124	2	30
Endosulfan Sulfate	0.202	0.115	0.202	0.143	57	71	41-133	21	30
Endrin	0.202	0.162	0.202	0.154	80	76	35-143	5	30
Endrin Aldehyde	0.202	0.132	0.202	0.131	65	65	40-135	1	20
Endrin Ketone	0.200	0.157	0.200	0.158	79	79	44-136	0	30
Heptachlor	0.102	0.0727	0.102	0.0452	71	44	38-135	47*	30
Heptachlor Epoxide	0.100	0.0753	0.100	0.0683	75	68	56-132	10	30
Methoxychlor	1.02	1.01	1.02	0.975	99	96	39-143	3	30
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 182640571301	Sample number(s): 9808155-9808156								
Mercury	0.00100	0.000886			89		80-114		
Batch number: 182641063503	Sample number(s): 9808155-9808156								

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Aluminum	2.00	2.09			105		80-120		
Antimony	0.500	0.520			104		90-117		
Arsenic	0.150	0.151			101		80-120		
Barium	2.00	2.03			102		87-111		
Beryllium	0.0500	0.0489			98		86-110		
Boron	2.00	1.92			96		80-110		
Cadmium	0.0500	0.0512			102		90-111		
Calcium	4.00	4.20			105		88-112		
Chromium	0.200	0.202			101		87-110		
Cobalt	0.500	0.520			104		90-111		
Copper	0.250	0.255			102		90-115		
Iron	1.00	1.05			105		80-114		
Lead	0.150	0.155			103		87-113		
Lithium	1.00	1.04			104		88-113		
Magnesium	2.00	2.12			106		88-114		
Manganese	0.500	0.512			102		90-112		
Molybdenum	2.00	2.05			102		85-112		
Nickel	0.500	0.520			104		90-114		
Potassium	10	10.44			104		88-112		
Selenium	0.150	0.147			98		80-120		
Silver	0.0500	0.0549			110		80-120		
Sodium	10	10.4			104		87-112		
Thallium	0.150	0.175			117		80-120		
Tin	4.00	4.01			100		89-110		
Vanadium	0.500	0.536			107		89-114		
Zinc	0.500	0.507			101		89-111		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 18262109101B	Sample number(s): 9808155-9808156								
Total Phosphorus as P (water)	2.19	2.20			100		89-110		
Batch number: 18262124101A	Sample number(s): 9808155-9808156								
Hydro Phosphorus Analysis	2.00	1.98			99		90-110		
Batch number: 18262520106A	Sample number(s): 9808155-9808156								
Chloride	3.00	2.93			98		90-110		
Fluoride	0.750	0.731			97		90-110		
Nitrate Nitrogen	0.750	0.706			94		90-110		
Sulfate	7.50	7.24			97		90-110		
Batch number: 18263111101A	Sample number(s): 9808155-9808156								
Soluble Phosphorus	2.19	2.30			105		89-110		
Batch number: 18264667602B	Sample number(s): 9808155-9808156								
Total Organic Carbon	25	25.09	25	25.09	100	100	91-113	0	20

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Batch number: 18268108102B	Sample number(s): 9808155-9808156								
Kjeldahl Nitrogen	5.00	5.49			110		90-110		
Batch number: 18268117101A	Sample number(s): 9808155-9808156								
Total Cyanide (water)	0.200	0.198			99		90-110		
Batch number: 18269126101A	Sample number(s): 9808155-9808156								
Phenols (water)	0.250	0.253			101		82-109		
Batch number: 18274129101A	Sample number(s): 9808155-9808156								
Silica	2.00	2.03			102		95-110		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 18261141082A	Sample number(s): 9808155-9808156								
Biochemical Oxygen Demand-BOD	198	214.99			109		85-115		
Batch number: 18262022601A	Sample number(s): 9808155-9808156								
Orthophosphate as P	0.400	0.398			99		95-105		
Batch number: 18263145703A	Sample number(s): 9808155-9808156								
Total Suspended Solids	150	141.8	150	141.6	95	94	74-118	0	5
Batch number: 18263921201A	Sample number(s): 9808156								
Total Dissolved Solids	200	198			99		62-127		
Batch number: 18265004202A	Sample number(s): 9808156								
Ammonia-Nitrogen	5.00	5.03			101		77-133		
Batch number: 18266400102A	Sample number(s): 9808156								
Chemical Oxygen Demand	500	505			101		94-110		
Batch number: 18266400102B	Sample number(s): 9808155								
Chemical Oxygen Demand	500	505			101		94-110		
Batch number: 18267133301A	Sample number(s): 9808155-9808156								
Sulfide	20	16.51	20	16.11	83	81	80-120	2	4
Batch number: 18268022101A	Sample number(s): 9808155								
Ammonia Nitrogen	10	9.53	10	9.59	95	96	93-100	1	5
Batch number: 18268921201A	Sample number(s): 9808155								
Total Dissolved Solids	200	199			100		62-127		
	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3	mg/l as CaCO3					
Batch number: 18263005102A	Sample number(s): 9808156								
Total Alkalinity to pH 4.5	188	166.46			89		77-109		
Batch number: 18264003102A	Sample number(s): 9808155								

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l as CaCO3	LCS Conc mg/l as CaCO3	LCSD Spike Added mg/l as CaCO3	LCSD Conc mg/l as CaCO3	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Total Alkalinity to pH 4.5	188	167.64			89		77-109		
	Std. Units	**Std. Units**	**Std. Units**	**Std. Units**					
Batch number: 18263005102A	Sample number(s): 9808156								
pH	7.00	6.99			100		95-105		
Batch number: 18269005102A	Sample number(s): 9808155								
pH	7.00	7.00			100		95-105		
	umhos/cm	**umhos/cm**	**umhos/cm**	**umhos/cm**					
Batch number: 18263005102A	Sample number(s): 9808156								
Specific Conductance	147	146.8			100		80-121		
Batch number: 18264003102A	Sample number(s): 9808155								
Specific Conductance	147	146.4			100		80-121		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 182641063503	Sample number(s): 9808155-9808156 UNSPK: 9808155									
Aluminum	N.D.	2.00	2.17	2.00	2.15	109	108	75-125	1	20
Antimony	N.D.	0.500	0.554	0.500	0.559	111	112	75-125	1	20
Arsenic	0.0350	0.150	0.196	0.150	0.197	107	108	75-125	1	20
Barium	0.326	2.00	2.26	2.00	2.27	97	97	75-125	1	20
Beryllium	N.D.	0.0500	0.0501	0.0500	0.0498	100	100	82-112	1	20
Boron	7.16	2.00	8.90	2.00	8.80	87	82	75-111	1	20
Cadmium	N.D.	0.0500	0.0489	0.0500	0.0490	98	98	75-125	0	20
Calcium	188.04	4.00	187.45	4.00	184.42	-15 (2)	-90 (2)	75-125	2	20
Chromium	0.0516	0.200	0.251	0.200	0.251	100	100	75-125	0	20
Cobalt	0.0104	0.500	0.507	0.500	0.509	99	100	80-118	0	20
Copper	0.106	0.250	0.374	0.250	0.373	107	107	75-125	0	20
Iron	2.45	1.00	3.44	1.00	3.41	99	96	75-125	1	20
Lead	N.D.	0.150	0.136	0.150	0.136	91	91	75-125	0	20
Lithium	0.0553	1.00	1.13	1.00	1.13	107	107	75-125	0	20
Magnesium	225.55	2.00	223.34	2.00	220.08	-111 (2)	-274 (2)	75-125	1	20
Manganese	3.36	0.500	3.72	0.500	3.67	72 (2)	64 (2)	75-125	1	20
Molybdenum	0.00333	2.00	2.08	2.00	2.10	104	105	75-118	1	20
Nickel	0.0332	0.500	0.514	0.500	0.517	96	97	75-125	1	20

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Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Potassium	188.7	10	193.93	10	190.95	52 (2)	23 (2)	75-125	2	20
Selenium	N.D.	0.150	0.155	0.150	0.150	103	100	75-125	3	20
Silver	N.D.	0.0500	0.0606	0.0500	0.0605	121	121	75-125	0	20
Sodium	636.43	10	631.8	10	633.56	-46 (2)	-29 (2)	75-125	0	20
Thallium	N.D.	0.150	0.162	0.150	0.164	108	109	75-125	1	20
Tin	N.D.	4.00	3.89	4.00	3.94	97	98	75-119	1	20
Vanadium	0.0250	0.500	0.584	0.500	0.583	112	112	75-125	0	20
Zinc	0.0157	0.500	0.537	0.500	0.537	104	104	75-125	0	20
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 18262520106A	Sample number(s): 9808155-9808156 UNSPK: 9808155									
Chloride	783.36	400	1140.86			89*		90-110		
Fluoride	N.D.	2.50	1.93			77*		90-110		
Nitrate Nitrogen	N.D.	2.50	2.39			96		90-110		
Sulfate	175.98	100	266.27			90		90-110		
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 18266400102B	Sample number(s): 9808155 UNSPK: 9808155									
Chemical Oxygen Demand	602.9	1000	1497.2			89*		94-110		
Batch number: 18268921201A	Sample number(s): 9808155 UNSPK: 9808155									
Total Dissolved Solids	3470	8000	11730			103		62-127		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 182641063503	Sample number(s): 9808155-9808156 BKG: 9808155			
Aluminum	N.D.	N.D.	0 (1)	20
Antimony	N.D.	N.D.	0 (1)	20
Arsenic	0.0350	0.0343	2 (1)	20
Barium	0.326	0.313	4	20
Beryllium	N.D.	N.D.	0 (1)	20
Boron	7.16	6.86	4	20
Cadmium	N.D.	N.D.	0 (1)	20
Calcium	188.04	182.97	3	20
Chromium	0.0516	0.0488	6 (1)	20
Cobalt	0.0104	0.00996	4 (1)	20

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	mg/l	mg/l		
Copper	0.106	0.102	4 (1)	20
Iron	2.45	2.42	1	20
Lead	N.D.	N.D.	0 (1)	20
Lithium	0.0553	0.0579	4 (1)	20
Magnesium	225.55	220.47	2	20
Manganese	3.36	3.22	4	20
Molybdenum	0.00333	0.00225	39* (1)	20
Nickel	0.0332	0.0327	2 (1)	20
Potassium	188.7	183.46	3	20
Selenium	N.D.	N.D.	0 (1)	20
Silver	N.D.	N.D.	0 (1)	20
Sodium	636.43	608.09	5	20
Thallium	N.D.	N.D.	0 (1)	20
Tin	N.D.	N.D.	0 (1)	20
Vanadium	0.0250	0.0244	2 (1)	20
Zinc	0.0157	0.0171	8 (1)	20
	mg/l	mg/l		
Batch number: 18262520106A	Sample number(s): 9808155-9808156 BKG: 9808155			
Chloride	783.36	788.72	1	15
Fluoride	N.D.	N.D.	0 (1)	15
Nitrate Nitrogen	N.D.	N.D.	0 (1)	15
Sulfate	175.98	173.11	2	15
	Degrees C	Degrees C		
Batch number: 18269005102A	Sample number(s): 9808155 BKG: 9808155			
Temperature of pH	23.52	23.49	0	5
	mg/l	mg/l		
Batch number: 18261141082A	Sample number(s): 9808155-9808156 BKG: 9808155			
Biochemical Oxygen Demand-BOD	29.1	29.9	3	28
Batch number: 18266400102B	Sample number(s): 9808155 BKG: 9808155			
Chemical Oxygen Demand	602.9	608.2	1 (1)	9
Batch number: 18268921201A	Sample number(s): 9808155 BKG: 9808155			
Total Dissolved Solids	3470	3530	2 (1)	5
	Std. Units	Std. Units		
Batch number: 18269005102A	Sample number(s): 9808155 BKG: 9808155			
pH	7.62	7.61	0	4

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs- 5ml Water by 8260B
Batch number: Y182681AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9808156	102	102	97	93
Blank	103	101	96	94
LCS	99	99	99	101
Limits:	80-120	80-120	80-120	80-120

Analysis Name: SVOAs 8270D MINI
Batch number: 18267WAB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
9808155	42	48	87	69	59	76
9808156	35	49	90	77	70	92
Blank	29	41	84	70	69	96
LCS	42	58	93	80	78	92
LCSD	43	58	93	84	77	95
Limits:	10-72	10-85	29-133	30-111	39-105	27-126

Analysis Name: Organic Acids in Water DoD
Batch number: 182620032A

	Fumaric acid
9808155	96
9808156	92
Blank	90
LCS	91
LCSD	91
Limits:	68-139

Analysis Name: PCBs in Water by 8082A
Batch number: 182630005A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9808155	44	28	43	28
9808156	54	25	53	23
Blank	84	69	81	72
LCS	89	58	88	61
LCSD	89	47	87	47
Limits:	33-137	10-148	33-137	10-148

Analysis Name: OC Pesticides in Water
Batch number: 182630006A

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Brickhouse Environmental, Inc. Group Number: 1988436
Reported: 10/09/2018 12:42

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: OC Pesticides in Water
Batch number: 182630006A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9808155	105	79	73	74
9808156	106	55	99	54
Blank	68	68	69	74
LCS	79	47	80	41
LCSD	14*	37	13*	45
Limits:	29-129	32-149	29-129	32-149

Analysis Name: DNREC 5 Herbicides
Batch number: 182640013A

	2,4-DCAA-D1	2,4-DCAA-D2
9808155	82	569*
9808156	87	83
Blank	75	72
LCS	94	101
LCSD	101	88
Limits:	34-142	34-142

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

20080 | 1988436 | 9808155-56

For CIL Unmixed Monthly Leachates

Brickhouse Environmental

Environmental Consultants & Engineers

515 S. Franklin St. West Chester, PA 19382 610.692.5770 Fax: 610.692.8650

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #: 1 of 2

Lab Quote #:

Project Name: DSWA (CIL)

Project Location: Cherry Island Landfill

Project Number: 10-2671-21

Project Manager: Doug Schott

PO No: 294389

Bill To: Above

TAT [X] Normal-Standard TAT [ ] Rush-TAT

Date Required: Approved By:

Email? [X]-Y dschott@brickhouse-environmental.com; anicolardi@brickhouse-environmental.com

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	Container Type	Container Size	Preservative	Total Cyanide in Water	Ortho-Phosphate as P	Fluoride, Dissolved Silica, TDS	Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Hg, Mo, Ni, K, Se, Ag, Na, Tl, Sn, V, Zn	Supplemental VOCs 8260	Supplemental Herbicides	Chloride, Nitrate nitrogen, Sulfate	pH, SpCond, Tot. Alk., Phen. Alk	Ammonia Nitrogen	Phenols	Supplemental PCBs, Pesticides, SVOCs, dioxin	COD, TKN, TON; Hydro Phosphorus, Soluble P; Tot. P	Organic Acids	BOD
					P	P	P	P	P	P	P	gl v	gl	P	P	P	gl	gl	P	gl	P
					250 ml	250 ml	500 ml	250 ml	40 ml	1000 ml	50 ml	250 ml	1000 ml	250 ml	250 ml	250 ml	40 ml	500 ml			
					NaOH/asc	None	None	HNO3	None	None	None	None	H2SO4	H2SO4	None	H2SO4	None	None			
					ANALYSES/METHOD REQUESTED																
					Enter Number of Containers Per Sample or Field Results Below.																
CI-MPS Unmixed 24-hr Composite	9/18/18	940	C	OL	1	1	1	1	*	2	1	1	1	1	4	1	2	1			
~~EB/N2~~			~~G~~	~~OL~~	1	1	1	1	3	2	1	1		1	4	1	2	1			
TB/N2	9/18/18	941	G	OL	1	1	1	1	2	2	1	1		1	2	1	2	1			
~~CI-MPS Grab #1~~			~~G~~	~~OL~~					3												
~~CI-MPS Grab #2~~			~~G~~	~~OL~~					3												
~~CI-MPS Grab #3~~			~~G~~	~~OL~~					3												
~~CI-MPS Grab #4~~			~~G~~	~~OL~~					3												

Receipt Information (Receiving Lab)

Cooler Temp: 2.1-5.9 Cooler #: 1-2

Therm. ID DT-146

	Y	N
Custody Seals Present?		X
(if present) Seals Intact?		
Received on Ice?	X	
COC/Labels Agree?	X	
Cont. in Good Cond.?	X	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformance samples/containers shall be reported on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other

Tracking #:

Sample/COC Comments/PID Response/Etc.

field filter Orthophosphate

*Supplemental VOCs from Laboratory Composite of Grabs #1-#4

Project Comments:

Logged By (initials/date/time)

Reviewed By (Initials/date/time)

Data Deliverables: [X] Standard; [ ] CLP-like; [ ] USACE

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE

Reportable to PADEP? Yes [ ]

PWSID #

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/18/18	1611	2	9.18.18	1611
3	9.4.4	1734	4		
5			6		
7			8		
9			10	9-18-18	1734

*G=Grab; C=Composite **Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Rev 1/12

20080 | 1988436 | 9808155-56

For CIL Unmixed Monthly Leachates

Brickhouse Environmental

Environmental Consultants & Engineers

515 S. Franklin St. West Chester, PA 19382 610.692.5770 Fax: 610.692.8650

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE FIELD TECHNICIAN.

COC #: 2 of 2

Lab Quote #:

Project Name: DSWA (CIL)

Project Location: Cherry Island Landfill

Project Number: 10-2671-21

Project Manager: Doug Schott

PO No: 294389

Bill To: Above

TAT [X] Normal-Standard TAT [ ] Rush-TAT

Date Required: Approved By:

Email? [X]-Y dschott@brickhouse-environmental.com anicolardi@brickhouse-environmental.com

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	TSS	Sulfide	TOC	Ammonia Nitrogen	Supplemental VOCs 8260
			Container Type		P	gl	gl	gl	gl
			Container Size		1000 ml	500 ml	40 ml	500 ml	40 ml
			Preservative		None	NaOH/ZnAs	H3PO4	H2SO4	HCl
			ANALYSES/METHOD REQUESTED						
					Enter Number of Containers Per Sample or Field Results Below.				
CI-MPS Unmixed 24-hr Composite	9/18/18	940	C	OL	1	1	2		3
~~EB/N2~~			G	OL	1	1	2	1	3
TB/N2	9/18/18	941	G	OL	1	1	2	1	2

Receipt Information (Receiving Lab)

Cooler Temp: 2.1-5.9 Cooler #: 1-2

Therm. ID: DT-196

	Y	N
Custody Seals Present?		X
(if present) Seals Intact?		
Received on Ice?	X	
COC/Labels Agree?	X	
Cont. in Good Cond.?	X	
Correct Containers?	X	
Correct Sample Volumes?	X	
Correct Preservation?	X	

Information concerning all nonconformance samples/containers shall be recorded on the COC.

Ship. Carrier: UPS / FedEx / DHL / Other _____

Tracking #: _____

Sample/COC Comments/PID Response/Etc.

Project Comments:

Logged By (initials/date/time)

Reviewed By (initials/date/time)

Data Deliverables: [X] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [ ] PA [ ] NJ [ ] NY [X] DE

Reportable to PADEP? Yes [ ]

PWSID # _____

Sample Disposal: Lab [X] Special [ ]

EDDS: Format Type- _____

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	9/18/18	1611	2	9.18.18	1611
3	9.18.18	1734	4		
5			6		
7			8		
9			10	9-18-18	1734

* G=Grab; C=Composite ** Matrix - A=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

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Sample Administration Receipt Documentation Log

Doc Log ID: 227357

Group Number(s): 1988436

Client: Brickhouse Environmental

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/18/2018 17:34
Number of Packages:	2	Number of Projects:	1
State/Province of Origin:	PA		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	24
Samples Intact:	Yes	Trip Blank Type:	See COC
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Cory Jeremiah (10469) at 19:06 on 09/18/2018

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	5.9	DT	Wet	Y	Bagged	N
2	DT146	2.1	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

DELAWARE SOLID WASTE AUTHORITY

Richard P. Watson, P.E., BCEE
Chief Executive Officer

Robin M. Roddy, P.E., BCEE
Chief Operating Officer

Board of Directors
Gerard L. Esposito
Chairman
Ronald G. McCabe
Vice Chairman
Timothy P. Sheldon
Tonda L. Parks
Norman D. Griffiths
Michael R. Paraskewich, Jr., Ph.D., P.E.
William J. Strickland

July 28, 2017

Mr. Ali Mirzakhalili, P.E.
Division Director
Division of Air Quality
Department of Natural Resources and Environmental Control
Blue Hen Corporate Center
655 S. Bay Road
Suite 5 N
Dover, DE 19901

Dear Mr. Mirzakhalili:

RE: AQM-003/00111-Renewal 2 (Revision 2)
CHERRY ISLAND LANDFILL
SEMI-ANNUAL REPORT

Enclosed are two (2) copies of the Cherry Island Landfill (CIL) semi-annual report for January 1, 2017 through June 30, 2017. This report is submitted to comply with permit AQM-003/00111-Renewal 2 (Revision 2). Please note the entire permit number does not fit on all of the forms. Therefore AQM-003/00111 R2 R2 should be taken to represent the full permit identification.

I certify the statements and information provided in this document, to the best of my knowledge, are true, accurate and complete. If you have any questions about any of the information provided please contact V. Nicole Gallagher Burkhardt at (302) 764-5385.

Yours truly,

Robin M. Roddy, P.E., BCEE
Chief Operating Officer

RMR:um
Attachments

c: R. P. Watson, P.E., BCEE
L. V. Miller, P.E., BCEE
L. B. Kocenko, P.E., BCEE
V. N. G. Burkhardt, P.E.
Brad Klotz (DNREC)
U.S. EPA (3AP20)

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section	AQM-1001DD

SEMI-ANNUAL REPORT	FOR DEPARTMENT USE, ONLY
	DATE RECEIVED:
	DATE REVIEWED:
	REVIEWD BY:

The Company shall submit to the Department and EPA Region III a report of any required monitoring and a report of any deviation(s) from permit requirements. This report shall be submitted no later than August 1 (covering the period from January 1 through June 30) and February 1 (covering the period from July 1 through December 31) of each calendar year. [Reference 7 **DE Admin. Code** 1130 (Title V) State Operating Permit Condition 3.3.2 and 7 **DE Admin. Code** 1130 Sections 6.1.3.3.1, 6.1.3.3.2, and 6.1.3.3.3.4 dated 12/11/00] Refer to the Instructions for Completing Semi-Annual Reports and Form AQM-1001DD dated July 27, 2001 and revised November 22, 2004 for questions concerning the use of this form.

Part A FACILITY INFORMATION

1. Facility Name: Cherry Island Landfill (CIL)
2. Facility Street Address: 1706 East 12th Street

3. City: Wilmington	4. State: DE	5. Zip Code: 19809
6. Permit No.: **AQM-003/00111-R2R2**	7. Facility ID No.: 1000300111 (9 digits)	8. Date Permit Issued: 12/18/2015
9. What is the Reporting Period? 01/01/2017 TO 06/30/2017		10. Date Form Prepared: 07/28/2017

11. Technical Contact: V. Nicole Gallagher Burkhardt, P.E. Title: Landfill Gas Engineer

    Phone Number: 302-764-5385 Fax Number: 302-764-5386 E-Mail Address: vngb@dswa.com

12. Has any of the information contained in Items 1 through 5 of Part A and/or Part E, Responsible Official, changed from that in the issued 7 **DE Admin. Code** 1130 Operating Permit? ☐ YES ☒ NO

    If YES, submit a request for an Administrative Permit Amendment per the requirements of 7 **DE Admin. Code** 1130 Section 7.3

Part B REPORT OF ANY REQUIRED MONITORING

1. Are you submitting an Initial Report of Monitoring? ☒ YES ☐ NO
   If YES, complete Table 1 – Report of Any Required Monitoring.
   If NO, go to Question No. 2.

2. Are you submitting a Revised Report of Monitoring? ☐ YES ☒ NO
   If YES, complete Table 1 – Report of Any Required Monitoring.
   If NO, Complete Part C; Part D, if applicable; Part E; and Part F.
   *Reference 7 **DE Admin. Code** 1130 Section 6.1.3.3.1 dated 12/11/00 and the 7 **DE Admin. Code** 1130 (Title V) State Operating Permit Condition 3.3.2.1*

Part C IDENTIFICATION OF DEVIATIONS

1. Do you have any deviations that you are reporting? ☒ YES ☐ NO
   If YES, complete Part C – Identification of Deviations – Table 2.
   If NO, complete Part D, if applicable; Part E; and Part F.
   *Reference 7 **DE Admin. Code** 1130 Section 6.1.3.3.2 and Section 6.1.3.3.3.4 dated 12/11/00 and the 7 **DE Admin. Code** 1130 (Title V) State Operating Permit Condition 3.3.2.2*

7 **DE Admin. Code** 1130 **(Title V) State Operating Permit Program** **Air Quality Management Section** **SEMI-ANNUAL REPORT**	**AQM-1001DD**

Part D ADDITIONAL INFORMATION

1. Does the Company possess any additional information that demonstrates compliance and/or non-compliance with any applicable requirement contained in the issued Title V permit? ☐ YES ☒ NO
   If YES, complete Table 3 – Additional Information
   Reference Condition No. 3.3.2.3

2. Is the Company submitting any attachments with the Semi-Annual Report? ☒ YES ☐ NO
   If YES, please identify all attachments. If additional space is needed, please use Table 4 of this Form

Part E CERTIFICATION BY RESPONSIBLE OFFICIAL

I, the undersigned, hereby certify under penalty of law that I am a Responsible Official and that I have personally examined and am familiar with the information submitted in this document and all of its attachments as to truth, accuracy, and completeness of information. I certify based on information and belief formed after reasonable inquiry the statements and information in this document are true, accurate, and complete. By signing this form, I certify that I have not changed, altered, or deleted any portions of this form.

Responsible Official Signature: Robin M. Roddy Date: 7/28/17

Responsible Official Name: Robin M. Roddy, P.E., BCEE Phone Number: 302-739-5361

Responsible Official Title: Chief Operating Officer

Part F SUBMITTAL INFORMATION

1. The Semi-Annual Report is due February 1 and August 1 of each calendar year.

2. The Semi-Annual Report shall be submitted to the following locations:

Submit One (1) Original and One (1) Copy:	**Submit One (1) Copy:**
State of Delaware – DNREC **Division of Air and Waste Management** **156 South State Street** **Dover, DE 19901** **Attn: Program Administrator**	**United States Environmental Protection Agency** **Associate Director of Enforcement (3AP12)** **1650 Arch Street** **Philadelphia, PA 19103**

*Reference 7 **DE Admin. Code** 1130 (Title V) State Operating Permit Condition 2.1.3 and 3.3.3.1 and 7 **DE Admin. Code** 1130 Sections 6.3.5.1 and 6.3.5.4 dated 12/11/00.*

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

Facility Name: CIL **Operating Permit Number:** AQM-003/00111-R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
1	Condition 3 -Table 1 (a)(1)(i) The flares shall be operated with no visible emissions as determined by Reference Method 22 (RM 22), except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.	Monitoring of emissions from flares in accordance with Condition 3 - Table 1 (a)(1)(i).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(A) Each portable passive flare shall be used for temporary installation and operation only as odor control device. The passive flares do not in any way relieve the Company of the requirements of Condition 3–Table 1(b), (c) & (d), and cannot be used as a substitute control device.	Record keeping of passive flare use in accordance with Condition 3 - Table 1 (a)(1)(iv)(A).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(B) Each portable passive flare assembly shall be tagged with a permanent identification that designates and identifies an individual flare unit. This designation shall be used in all relocation correspondence.	Record keeping of passive flare identification in accordance with Condition 3 - Table 1 (a)(1)(iv)(B).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(C) The identification tag shall be of a physical form approved by the Department, such as a welded or riveted plate or engraving.	Record keeping of identification form in accordance with Condition 3 - Table 1 (a)(1)(iv)(C).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(D) Each flare unit and connected piping system shall be maintained in proper operating condition.	Monitoring of flare unit condition in accordance with Condition 3 - Table 1 (a)(1)(iv)(D).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(E) Each flare unit shall be equipped with a flame arrester to prevent flashback to the landfill.	Record keeping of passive flare flame arrester in accordance with Condition 3 - Table 1 (a)(1)(iv)(E).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

Facility Name: CIL **Operating Permit Number:** AQM-003/00111-R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
1	Condition 3 - Table 1 (a)(1)(iv)(F) Each flare unit relocation shall be for a period of time not to exceed 180 days unless another time period is submitted to and approved by the Department. Any request to extend that time period shall be submitted to the Department a minimum of 30 days prior to expiration of the 180 days.	Record keeping of passive flare usage in accordance with Condition 3 - Table 1 (a)(1)(iv)(F).	NO	
1	Condition 3 - Table 1 (a)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Monitoring and record keeping in accordance with Condition 3 - Table 1 (a)(1)(v).	NO	
1	Condition 3 - Table 1 (a)(1)(vi)(A) The number of hours and days each flare is in use.	Monitoring of passive flare usage in accordance with Condition 3 - Table 1 (a)(1)(vi)(A).	NO	
1	Condition 3 - Table 1 (a)(1)(vi)(B) The operational limitations of Condition 3–Table 1(a)(1)(iv).	Monitoring and record keeping in accordance with Condition 3 - Table 1 (a)(1)(vi)(B).	NO	
1	Condition 3 - Table 1 (a)(1)(vii) In addition to that required by Condition 3(b)(1)(ii) of this permit, the owner/operator shall conduct a daily visible emissions observation on passive flares in use Monday - Friday, excluding holidays and weather related closing, for at least ten (10) minutes.	Testing in accordance with Condition 3 - Table 1 (a)(1)(vii).	NO	

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Facility Name: CIL **Operating Permit Number:** AQM-003/00111-R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
1	Condition 3 - Table 1 (a)(1)(ix) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(c)(2) of this permit, the Company shall maintain records of the information monitored in Condition 3 – Table 1(a)(1)(vi).	Record keeping in accordance with Condition 3 - Table 1 (a)(1)(ix).	NO	
1	Condition 3 - Table 1 (a)(1)(x)(A) A notification to the Department within 24 hours after relocation of flares within or to any DSWA landfill sites. This notification can be made via email or fax which includes the following information:	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(1) Which flare(s) is (are) being relocated.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(1).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(2) The site of the relocated flare(s).	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(2).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(3) The reason for the flare(s) relocation.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(3).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(4) The date and time the flare(s) was (were) relocated.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(4).	YES	Separate reports submitted throughout operating period

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

Facility Name: CIL **Operating Permit Number:** AQM-003/00111-R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
1	Condition 3 - Table 1 (a)(1)(x)(A)(5) The intended period of time the flare(s) is(are) proposed for use at that location.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(5).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(B) The Company shall calculate/estimate the emissions from all passive flares used at the site based on actual hours of operation and include this information in the annual emissions inventory report.	Reporting of passive flare emissions in accordance with Condition 3 - Table 1 (a)(1)(x)(B).	YES	April 27, 2017
1	Condition 3 - Table 1 (a)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance shall be based on monitoring, records keeping and reporting requirements of this section.	Record keeping in accordance with Condition 3 - Table 1 (a)(1)(xi).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(i) The flare shall be operated with no visible emissions as determined by Reference Method 22, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.	Monitoring of flare visible emissions in accordance with Condition 3 - Table 1 (b)(1)(i).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ii)(A)(1) NOx: A rate of 0.025 pound per million BTU for each Low-NOx enclosed flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(1).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ii)(A)(2) NOx: 11.95 tons per 12-month rolling period for each Low-NOx enclosed Flare, and a total of 23.9 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(2).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

Facility Name: CIL **Operating Permit Number:** AQM-003/00111-R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
2 and 3	Condition 3 - Table 1 (b)(1)(ii)(B)(1) CO: A rate of 0.06 pound per million BTU for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(1).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ii)(B)(2) CO: 57.4 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(2).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ii)(C)(1) PM: A rate of 2.3 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(1).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ii)(C)(2) PM: 16 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(2).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ii)(D) NMOC: 0.61 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ii)(E)(1) SOx: A rate of 19.7 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(1).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ii)(E)(2) SOx: 77 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(2).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ii)(F)(1) HCl: A rate of 0.28 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(1).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ii)(F)(2) HCl: 1.11 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(2).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(A) The flares shall be operated with a flame present at all times and shall be operated at all times when collected landfill gas is routed to the system.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(B) The flare flame detection device shall be in proper operation whenever the flare is in operation.	Record keeping of flame detection device operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(B).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(C) The owner/operator shall adhere to the flare gas heat content specifications in 40 CFR 60, Subpart A, §60.18(c)(3)(ii) dated 7/1/05 and the flare exit velocity specifications in 40 CFR 60, Subpart A, §60.18(c)(4) dated 7/1/05.	Record keeping of flare gas heat content and exit velocity in accordance with Condition 3 - Table 1 (b)(1)(iii)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(D) Landfill gas flow shall be diverted to the flare system for combustion within one (1) hour of gas compression plant shutdown during normal operating hours and within four (4) hours outside of normal operating hours. Normal operating hours shall mean Monday through Friday, 0700 hours until 1500 hours, excluding holidays and weather-related landfill closings.	Record keeping of response time to shut downs in accordance with Condition 3 - Table 1 (b)(1)(iii)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(E) The flares shall be operated according to the latest startup, shutdown, and malfunction plan (SSMP) during all periods of startup, shutdown, and malfunction.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(E).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

Facility Name: CIL **Operating Permit Number:** AQM-003/00111-R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(F) All structural and mechanical components of the flare and gas collection and treatment system shall be maintained in proper operating condition.	Record keeping of flare and gas system maintenance in accordance with Condition 3 - Table 1 (b)(1)(iii)(F).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(G) The flare shall have an NMOC destruction efficiency of at least 98%.	Record keeping of NMOC destruction efficiency in accordance with Condition 3 - Table 1 (b)(1)(iii)(G).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(A) The flares shall be operated in conjunction with the gas collection system to control odors as a top priority.	Monitoring of flare operation to reduce odors in accordance with Condition 3 - Table 1 (b)(1)(iv)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(B) The total amount of landfill gas burned through ZULE-A and ZULE-B shall be no more than 3,780 MMscf (million standard cubic foot) per 12-month rolling period.	Record keeping of the amount of landfill gas burned through ZULE-A and ZULE-B in accordance with Condition 3 - Table 1 (b)(1)(iv)(B).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(C) The maximum flow to the each flare shall be no more than 4,500 scfm (standard cubic foot per minute).	Record keeping of flare flow in accordance with Condition 3 - Table 1 (b)(1)(iv)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(D) The flare shall be operated as per the manufacturer's recommendation. Flare operating parameters shall include but are not limited to flare flow rate, flame temperature and residence time.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(iv)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(v) Compliance with the standards and limitations will be demonstrated by adherance to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(v).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(A) The owner/operator shall monitor the flare to ensure that it is operated and maintained in conformance with its design.	Monitoring flare operation in accordance with Condition 3 - Table 1 (b)(1)(vi)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(B) The owner/operator shall monitor the presence of a flare pilot flame by using a thermocouple or any other equivalent device to detect the presence of a flame.	Monitoring of flare pilot flame in accordance with Condition 3 - Table 1 (b)(1)(vi)(B).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(C) The owner/operator shall monitor the flare flame monitoring equipment shall be inspected monthly.	Record keeping of flame monitoring equipment inspection in accordance with Condition 3 - Table 1 (b)(1)(vi)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(D) The owner/operator shall monitor the flow rate of landfill gas to the flare each day.	Monitoring gas flow rate in accordance with Condition 3 - Table 1 (b)(1)(vi)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(E) The owner/operator shall monitor the operational standards and limitations of Condition 3–Table 1(b)(1)(iii) & (iv).	Monitoring the operational standards and limitations in accordance with Condition 3 - Table 1 (b)(1)(vi)(E).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(F) The owner/operator shall monitor compliance with the opacity requirements of Condition 3-Table 1(b)(1)(i) shall be determined once per quarter using RM 22 while flares are in operation from 40 CFR 60, Appendix A, dated 7/1/05. If visual emissions are determined to be in excess of the limitation in Condition 3-Table 1(b)(1)(i), the Company shall take all means necessary to minimize emissions and to operate the flare without visible emissions.	Monitoring the opacity requirements in accordance with Condition 3 - Table 1 (b)(1)(vi)(F).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(G) While in operation, a flow meter shall be used to continuosly monitor and record the gas flow rate to the flare. The owner/operator shall follow all applicable requirements for the landfill outlined by 40 CFR Part 60.756- Monitoring of operations and 40 CFR Part 60.18(c)- General control device requirements (for flares).	Monitoring of flow rates in the flares in accordance with Condition 3 - Table 1 (b)(1)(vi)(G).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vii)(A) The performance of the flow monitor shall be demonstrated at least once each year by passing the tests given in 40 CFR 60 Appendix B, Performance Specification 6 except for calibration drift.	Testing of flow monitor in accordance with Condition 3 - Table 1 (b)(1)(vii)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vii)(B) The owner/operator shall notify the Department at least thirty (30) days prior to any flow monitor test to give the Department the opportunity to witness the test.	Testing of flow monitor in accordance with Condition 3 - Table 1 (b)(1)(vii)(B).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
2 and 3	Condition 3 - Table 1 (b)(1)(vii)(C) DSWA may use GEM testing and lab sample analysis results to perform calculations referred by Condition 3-Table 1(b)(iii)(C) quarterly basis. The Company shall perform calculations once per calendar year as identified by federal regulation 40 CFR 60, Subpart A, §60.18(f)(3).	Testing in accordance with Condition 3 - Table 1 (b)(1)(vii)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(A) Periods of operation for each flare.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(ix)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(B) Reason flare is not in operation.	Record keeping of reason for flare down time in accordance with Condition 3 - Table 1 (b)(1)(ix)(B).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(C) Daily, monthly and 12-month rolling usage of landfill gas to each flare.	Record keeping of landfill gas usage in accordance with Condition 3 - Table 1 (b)(1)(ix)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(D) RM 22 records.	Record keeping of visible emissions in accordance with Condition 3 - Table 1 (b)(1)(ix)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(E) Inspection and maintenance records of flares including flame and pilot flame monitoring.	Record keeping of inspections and maintenance of flares in accordance with Condition 3 - Table 1 (b)(1)(ix)(E).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
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2 and 3	Condition 3 - Table 1 (b)(1)(ix)(F) The monthly and rolling twelve (12) month total emissions shall be calculated by using landfill gas flow rate to each flare, hours of flare operation , site specific data, stack test results and AP-42 factors as appropriate, and recorded each month in a log for each of the following pollutants: Nitrogen oxides; Carbon monoxide; Particulates Matter; Non-methane organic compounds; Sulfur oxides; and Hydrochloric acid.	Record keeping of emissions totals in accordance with Condition 3 - Table 1 (b)(1)(ix)(F).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(1) The Company shall keep records of the Data showing flame presence;	Record keeping of flame presence in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(1).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(2) The Company shall keep records of the Inspections of flare monitoring equipment;	Record keeping of inspections in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(2).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(3) The Company shall keep records of the Flare velocity and landfill gas BTU content data;	Record keeping of gas velocity and heat content in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(3).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(4) The Company shall keep records of the a statement of qualifications of personnel performing Method 22.	Record keeping of personnel qualifications in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(4).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(5) The Company shall keep records of the Calibration records for all flow meters;	Record keeping of flow meter calibration in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(5).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(6) The Company shall keep records of the Landfill gas test information, including test protocol, raw data and final report; and	Record keeping of gas testing information in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(6).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(7) The Company shall keep records of All parts of the startup, shutdown and malfunction plan, including: The occurrence and duration of each startup, shutdown, or malfunction of operation; The occurrence and duration of each malfunction of the air pollution control and monitoring equipment; All required maintenance performed on the air pollution control and monitoring equipment; Actions taken during period of startup, shutdown, and malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the startup, shutdown, and malfunction plan; and All information necessary to demonstrate compliance with the startup, shutdown, and malfunction plan when actions are consistent with the plan.	Record keeping of SSMP occurrences in accordance with Condition 3 - Table 1 (b)(2)(ix)(G)(7).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
2 and 3	Condition 3 - Table 1 (b)(1)(x)(A) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department semi-annual reports of all operational exceedances that contain the value and length of time for exceedance of parameters monitored under Condition 3– Table 1(b)(1)(vi).	Reporting of operational exceedances through semi-annual reports in accordance with Condition 3 - Table 1 (b)(1)(x)(A).	YES	Exceedances listed in Table 2, Operations Log shown in Attachment A
2 and 3	Condition 3 - Table 1 (b)(1)(x)(B) The owner/operator shall report actions within 2 working days, followed by a letter within 7 working days, following actions that are not consistent with the startup, shutdown, or malfunction plan.	Reporting actions inconsistent with SSMP in accordance with Condition 3 - Table 1 (b)(1)(x)(B).	YES	N/A
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(A) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall use RM22 of Appendix A 40 CFR Part 60 to determine compliance with the visible emissions provision of Condition 3 –Table 1(b)(1)(i).	Record keeping of visible emissions compliance in accordance with Condition 3 - Table 1 (b)(1)(xi)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(B) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall calculate the net heating value of the gas being combusted in the flare using the method specified in 40 CFR Part 60.18(f)(3).	Record keeping of gas net heating value in accordance with Condition 3 - Table 1 (b)(1)(xi)(B).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(C) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall demonstrate compliance with the emission limitations of Condition 3 – Table 1(b)(1)(ii) each month based on the amount of gas combusted, actual NMOC, H2S, and methane concentrations, approved emission factors and good engineering assumptions.	Record keeping of emissions in accordance with Condition 3 - Table 1 (b)(1)(xi)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(D) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall calculate emissions from the flares as identified by Condition 3-Table 1(b)(ix)(F) by the end of each month for the previous month.	Record keeping of emissions in accordance with Condition 3 - Table 1 (b)(1)(xi)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(A) Operate the collection system such that gas is collected from each area, cell, or group of cells in the landfill in which the solid waste has been in place for a period of: 5 years or more if active; or 2 years or more if closed or at final grade.	Record keeping of waste age and gas collection in accordance with Condition 3 - Table 1 (c)(1)(iii)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(B) Operate the collection system to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment.	Record keeping of collection system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(B).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(iii)(C) Operate the system such that all collected gases are vented to the gas treatment plant that processes the collected gas for subsequent sale or use and/or to permitted landfill gas flares that are designed and operated in accordance with §60.18	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(C).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(D) Operate the control or treatment system at all times when the collected gas is routed to the system.	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(E) In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour.	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(E).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(F) The provisions of this permit apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices.	Record keeping of SSM events in accordance with Condition 3 - Table 1 (c)(1)(iii)(F).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(iii)(G) The owner/operator shall implement a program to monitor for cover integrity and implement cover repairs as per permit SW-06/01 dated 1/6/06 issued by the Solid and Hazardous Waste Management Branch, DNREC or as the permit is modified or renewed in future.	Monitoring of cover integrity in accordance with Condition 3 - Table 1 (c)(1)(iii)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(H)(1) Operate the collection system with negative pressure at each wellhead except under condition the following conditions: A fire or increased well temperature; Use of geomembrane or synthetic cover, in which case the operator shall develop acceptable pressure limits in the design plan; or A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the Department.	Record keeping of collection system pressure in accordance with Condition 3 - Table 1 (c)(1)(iii)(H)(1).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(iii)(H)(2) If a positive pressure exists, action shall be initiated by the Company to correct the exceedance within 5 calendar days, except for the three conditions allowed under paragraph H(1) above. If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards.	Record keeping of pressure exceedances in accordance with Condition 3 - Table 1 (c)(1)(iii)(H)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(I)(1) Operate each interior wellhead in the collection system with a landfill gas temperature less than 55C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The Company may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens. Approval of gas wellhead operating temperature increase will be evaluated case-by-case basis.	Monitoring of gas temperature, nitrogen level, and oxygen level in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(1).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(iii)(I)(2) If a well exceeds one of the operating parameters specified in Condition 3-Table 1 (c)(iii)(I)(1), action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance.	Record keeping of gas temperature, nitrogen level, or oxygen level exceedances in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(I)(3) Any attempted corrective measure shall not cause exceedances of other operational or performance standards.	Record keeping of corrective measures in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(3).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(I)(4) If corrective actions are taken as specified in paragraph(B) above, the monitored exceedance is not a violation of the operational requirements in this section.	Record keeping of corrective measures in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(4).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(iii)(J) Operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing around the perimeter of the collection area along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.	Record keeping of surface emissions in accordance with Condition 3 - Table 1 (c)(1)(iii)(J).	NO	
4	Condition 3 - Table 1 (c)(1)(iv) All landfill gas monitoring shall be performed by trained personnel.	Record keeping of personnel training in accordance with Condition 3 - Table 1 (c)(1)(iv).	NO	
4	Condition 3 - Table 1 (c)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping and monitoring in accordance with Condition 3 - Table 1 (c)(1)(v).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(vi)(A) The owner/operator shall measure gauge pressure in the gas collection header at each individual well, monthly.	Monitoring system pressure in accordance with Condition 3 - Table 1 (c)(1)(vi)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(B) The owner/operator shall monitor each well for temperature and nitrogen or oxygen, monthly.	Monitoring system temperature and nitrogen or oxygen in accordance with Condition 3 - Table 1 (c)(1)(vi)(B).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(C) The owner/operator shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a serpentine pattern spaced 30 meters apart (or a site-specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 60.755(d).	Monitoring surface methane emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(C)(1) Monitoring shall also be performed where visual observations, such as distressed vegetation and cracks or seeps in the cover, indicate elevated concentrations of landfill gas.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(1).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(C)(2) Areas with steep or otherwise dangerous areas may be excluded from the surface testing.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(C)(3) All penetrations from the landfill.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(3).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(vi)(D) Determine the background concentration by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(E) Develop a surface monitoring plan for methane that includes: A topographical map with the monitoring route identified and spaced at 30 meter intervals; The rational for any site-specific deviations from the 30 meter intervals; and All penetrations from the landfill.	Creating surface monitoring plan in accordance with Condition 3 - Table 1 (c)(1)(vi)(E).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(F) Implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis.	Monitoring cover integrity in accordance with Condition 3 - Table 1 (c)(1)(vi)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(G) Monitor training records for all personnel performing landfill gas monitoring and update records as needed.	Monitoring training records in accordance with Condition 3 - Table 1 (c)(1)(vi)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(A) Perform surface emission monitoring in accordance with section "individual source survey" of Method 21 of 40 CFR Part 60, Appendix A, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vii)(A).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(vii)(B) The portable analyzer shall meet the instrument specifications provided in section "apparatus" of Method 21 of 40 CFR Part 60, Appendix A, except that "methane" shall replace all references to VOC.	Record keeping of analyzer specifications in accordance with Condition 3 - Table 1 (c)(1)(vii)(B).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(C) The calibration gas shall be methane, diluted to a nominal concentration of 500 ppm in air.	Record keeping of calibration gas in accordance with Condition 3 - Table 1 (c)(1)(vii)(C).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(D) Follow "performance evaluation requirements" and "instrument evaluation procedures" of Method 21 of 40 CFR Part 60, Appendix A.	Record keeping of evaluations in accordance with Condition 3 - Table 1 (c)(1)(vii)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(E) The calibration procedures provided in Method 21 of Appendix A shall be followed immediately before commencing a surface monitoring survey.	Record keeping of calibration procedures in accordance with Condition 3 - Table 1 (c)(1)(vii)(E).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(F) The nitrogen level shall be determined using Method 3C of 40 CFR Part 60, Appendix A.	Monitoring nitrogen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G) The oxygen level shall be determined by an oxygen meter using Method 3A of 40 CFR Part 60, Appendix A except that:	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(1) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(1).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(vii)(G)(2) A data recorder is not required.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(3) Only two calibration gases are required, a zero and a span, and ambient air may be used as the span.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(3).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(4) A calibration error check is not required.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(4).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(5) The allowable sample bias, zero drift, and calibration drift are plus/minus 10 percent.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(5).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(H) The NMOC emission rate shall be calculated using the appropriate equation provided in 40 CFR Part 60.754(a).	Record keeping of NMOC calculations in accordance with Condition 3 - Table 1 (c)(1)(vii)(H).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(I) Each month, the owner or operator shall sample the landfill gas using Department approved test methods to determine methane and H2S content. A dräger tube (or equivalent) test can be accepted for monthly determination of H2S in landfill gas along with a quarterly test by ASTM D5504 or EPA method 15/16. The owner or operator shall take measure to complete a quarterly test, and provide time for a repeat test within that quarter if necessary.	Monitoring methane and H2S content in accordance with Condition 3 - Table 1 (c)(1)(vii)(I).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(vii)(J) Each quarter, the owner or operator shall sample the landfill gas using Department approved test methods to determine NMOC content. EPA Method 25c can be used as the Department approved test method.	Monitoring NMOC content in accordance with Condition 3 - Table 1 (c)(1)(vii)(J).	NO	
4	Condition 3 - Table 1 (c)(1)(viii) Training shall include but not be limited to such things as sampling methods, instrument calibration, instrument response time, instrument response factors, and calibration gases.	Record keeping of personnel training in accordance with Condition 3 - Table 1 (c)(1)(viii).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(A) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of thie permit, the Company shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.	Record keeping of landfill capacity data in accordance with Condition 3 - Table 1 (c)(1)(ix)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(B) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of thie permit, the Company shall keep readily accessible records for the life of the control equipment of the data listed in the following as measured during the initial performance test or compliance determination.	Record keeping of gas system data in accordance with Condition 3 - Table 1 (c)(1)(ix)(B).	NO	

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Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(ix)(B)(1) The maximum expected gas generation flow rate as calculated in §60.755(a)(1).	Record keeping of maximum calculated gas flow rate in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(1).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(B)(2) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 40 CFR Part §60.759(a)(1).	Record keeping of gas extraction devices in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(B)(3) The flare type (i.e., steam assisted, air-assisted, or nonassisted), all visible emission readings, heat content determination, flow rate or bypass flow rate measurements, and exit velocity determinations made during the performance test as specified in §60.18; continuous records of the flare pilot flame or flare flame monitoring and records of all periods of operations during which the pilot flame or the flare flame is absent.	Record keeping of flare type and data in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(3).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(C) Keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in Conditions 3 –Table 1(c)(1)(iii) & (iv) as well as up-to-date, readily accessible records for periods of during which the parameter boundaries established during the most recent performance test are exceeded.	Record keeping of operating parameters in accordance with Condition 3 - Table 1 (c)(1)(ix)(C).	NO	

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Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(ix)(D) Keep up-to-date, readily accessible continuous records of the indication of flow to the control device or indication of bypass flow.	Record keeping of flow control in accordance with Condition 3 - Table 1 (c)(1)(ix)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(E) Records of subsequent tests or monitoring including monitoring of H2S concentration in landfill gas shall be maintained for a minimum of 5 years.	Record keeping of tests and monitoring in accordance with Condition 3 - Table 1 (c)(1)(ix)(E).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(F) Records of the control device vendor specifications shall be maintained until removal.	Record keeping of vendor specifications in accordance with Condition 3 - Table 1 (c)(1)(ix)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(G) Keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and provide a unique identification location label for each collector.	Record keeping of plot map in accordance with Condition 3 - Table 1 (c)(1)(ix)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(H) Keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors.	Record keeping of collector installation date and location in accordance with Condition 3 - Table 1 (c)(1)(ix)(H).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(I) Keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as well as any nonproductive areas excluded from collection.	Record keeping of asbestos-containing and nondegradable waste in accordance with Condition 3 - Table 1 (c)(1)(ix)(I).	NO	

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Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(ix)(J) Keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards, the reading in the subsequent month whether or not the second reading is an exceedance, the location of each exceedance and any corrective actions taken on monitored exceedances.	Record keeping of collection and control system exceedances in accordance with Condition 3 - Table 1 (c)(1)(ix)(J).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(K) Record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports.	Record keeping of positive pressure in accordance with Condition 3 - Table 1 (c)(1)(ix)(K).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(L) The operational standards and limitations monitored in accordance with Conditions 3 - Table 1 (c)(1)(iii) & (iv).	Record keeping of the operational standards and limitations monitored in accordance with Conditions 3 - Table 1 (c)(1)(iii) & (iv). in accordance with Condition 3 - Table 1 (c)(1)(ix)(L).	NO	
4	Condition 3 - Table 1 (c)(1)(x)(A) An amended design capacity report when there is an increase in the design capacity of the landfill, whether the increase results from an increase in the area or depth of the landfill, a change in the operating procedures of the landfill, or any other means. The amended design capacity report shall be submitted within 90 days of the issuance of an amended construction or operating permit, or the placement of waste in additional land, or the change in operating procedures which will result in an increase in maximum design capacity, whichever occurs first.	Reporting of amended design capacity in accordance with Condition 3 - Table 1 (c)(1)(x)(A).	YES	N/A

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(x)(B) The owner/operator shall submit to the Department compliance reports every 6 months (semi-annually) as specified in 40 CFR Parts 63.1980(a) and (b), and Condition 3-Table 1(c)(4)(x) including information on all deviations as defined in 40 CFR Part 63.1990 that occurred during the 6-month reporting period. The semi-annual reports are due by February 1 and August 1 of each calendar year.	Reporting of compliance in accordance with Condition 3 - Table 1 (c)(1)(x)(B).	YES	January 31 and July 28, 2017
4	Condition 3 - Table 1 (c)(1)(x)(C) In addition to the information outlined in MACT requirement of this section, the owner/operator shall submit to the Department semi-annual reports of the recorded information in (1) through (6) below:	Reporting in accordance with Condition 3 - Table 1 (c)(1)(x)(C).	YES	January 31 and July 28, 2017
4	Condition 3 - Table 1 (c)(1)(x)(C)(1) Value and length of time for exceedance of applicable parameters monitored under Condition 3-Table 1(c)(1)(vi), and (c)(2)(vi).	Reporting of value and length of exceedances in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(1).	YES	Attachment B, C and D
4	Condition 3 - Table 1 (c)(1)(x)(C)(2) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow.	Reporting of gas bypass in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(2).	YES	Attachment A
4	Condition 3 - Table 1 (c)(1)(x)(C)(3) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating.	Reporting of control device down time in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(3).	YES	Attachment A

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(x)(C)(4) All periods when the collection system was not operating in excess of 5 days.	Reporting of collection system down time in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(4).	YES	N/A
4	Condition 3 - Table 1 (c)(1)(x)(C)(5) The location of each exceedance of the 500 parts per million methane concentration and the concentration recorded at each location for which an exceedance was recorded in the previous quarter.	Reporting of surface monitoring exceedances in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(5).	YES	Attachment D
4	Condition 3 - Table 1 (c)(1)(x)(C)(6) The date of installation and the location of each well or collection system expansion added along with new plot maps that indicate the locations of all new equipment.	Reporting of well location and installation in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(6).	YES	Attachment E
4	Condition 3 - Table 1 (c)(1)(x)(D) The owner/operator shall submit an NMOC emission rate report to the Department annually, except as provided for in paragraph (3) below. The Department may request such additional information as may be necessary to verify the reported NMOC emission rate.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D).	YES	April 27, 2017
4	Condition 3 - Table 1 (c)(1)(x)(D)(1) The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in §60.754 (a) or (b), as applicable.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(1).	YES	N/A

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(x)(D)(2) The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(2).	YES	N/A
4	Condition 3 - Table 1 (c)(1)(x)(D)(3) The Company subject to the requirements of this subpart is exempted from the requirements of paragraphs 1 and 2 of this section, after the installation of a collection and control system in compliance with Condition 3-Table 1(a), (c), (d) and (e), during such time as the collection and control system is in operation and in compliance with Condition 3 -Table 1(a), (c), (d), and (e).	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(3).	YES	N/A
4	Condition 3 - Table 1 (c)(1)(x)(E) The owner/operator shall submit the quarterly H2S concentration in LFG analysis results identified by Condition 3 - Table 1 (c)(1)(vii)(I) by the end of the each quarter for the previous quarter.	Reporting in accordance with Condition 3 - Table 1 (c)(1)(x)(E)	YES	March 28 and July 14, 2017

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(xi)(A) For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with Condition 3– Table 1(c)(1)(iii)(B), the appropriate equation from 40 CFR Part 60.755(a)(1) shall be used. The k and Lo kinetic factors should be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42) or other site specific values demonstrated to be appropriate and approved by the Department. If k has been determined as specified in 60.754(a)(4), the value of k determined from the test shall be used. A value of no more than 15 years shall be used for the intended use period of the gas mover equipment. The active life of the landfill is the age of the landfill plus the estimated number of years until closure.	Record keeping of gas flow rate calculation in accordance with Condition 3 - Table 1 (c)(1)(xi)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(B) If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under Condition 3–Table 1(c)(1)(iii)(I).	Record keeping of positive pressure corrective action in accordance with Condition 3 - Table 1 (c)(1)(xi)(B).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(xi)(C) If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measurement shall not cause exceedances of other operational or performance standards.	Record keeping of gas system expansion in accordance with Condition 3 - Table 1 (c)(1)(xi)(C).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(D) Installation of additional wells is not required during the first 180 days after gas collection system start-up.	Record keeping of new wells in accordance with Condition 3 - Table 1 (c)(1)(xi)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(E) If a well exceeds one of the operating parameters of Condition 3–Table 1(c)(1)(iii)(I), action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measurement shall not cause exceedances of other operational or performance standards.	Record keeping of corrective action in accordance with Condition 3 - Table 1 (c)(1)(xi)(E).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(xi)(F) Any reading of 500 ppm or more above background at any location shall be recorded as a monitored exceedance and the following actions shall be taken. As long as the following specified actions are taken, the exceedance is not a violation of the operational requirements.	Record keeping of surface monitoring exceedances in accordance with Condition 3 Table 1 (c)(1)(xi)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(F)(1) The location of each monitored exceedance shall be marked and the location recorded.	Record keeping of exceedance location in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(1).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(F)(2) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance.	Record keeping of corrective actions in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(F)(3) If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in Condition 3 – Table 1(c)(1)(xi)(F)(5) shall be taken, and no further monitoring of that location is required until the action specified in Condition 3 – Table 1(c)(1)(xi)(F)(5) has been taken.	Record keeping of remonitoring results in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(3).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(1)(xi)(F)(4) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day re-monitoring shall be re-monitored 1 month from the initial exceedance. If the 1-month re-monitoring shows a concentration less than 500 ppm above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month re-monitoring shows an exceedance, the actions specified in Condition 3 – Table 1(c)(1)(xi)(F)(3) or (5) shall be taken.	Record keeping of remonitoring in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(4).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(F)(5) For any location where monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance, such as upgrading the blower, header pipes or control device, and a corresponding timeline for installation may be submitted to the Department for approval.	Record keeping of remonitoring results in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(5).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(G) Compliance with all standards and limitations of Condition 3 – Table 1(c)(1)(iii) and (iv) shall be based upon record keeping.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(1)(xi)(G).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(2)(iv)(A) The wellhead valve(s) shall be closed.	Monitoring wellhead valves in accordance with Condition 3 - Table 1 (c)(2)(iv)(A).	NO	
4	Condition 3 - Table 1 (c)(2)(iv)(B) The remaining gas collection system shall be rebalanced and checked during the remainder of the current month and the following two months after valve closure to allow the collection system to adapt without the contribution of the decommissioned well(s).	Monitoring and record keeping of gas collection system rebalancing in accordance with Condition 3 - Table 1 (c)(2)(iv)(B).	NO	
4	Condition 3 - Table 1 (c)(2)(iv)(C) After DNREC review of data and upon written approval from the Department for final abandonment, remove wellhead(s), cut and cap the vacuum line and gas well casing a minimum of three (3) feet below ground, backfill with soil as appropriate, and repair cap. The initial approval for well decommissioning from the Division of Air Quality does not preclude any requirements by the Department's Solid and Hazardous Waste Management Branch (SHWMB).	Record keeping of gas well removal in accordance with Condition 3 - Table 1 (c)(2)(iv)(C).	NO	
4	Condition 3 - Table 1 (c)(2)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(2)(v).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(2)(vi)(A) The owner/operator shall monitor the average weekly flow rate of landfill gas collected at the flare/gas station for three (3) months after the well(s) decommissioning and compare with the three (3) months prior to well(s) decommissioning to determine if gas collection has increased, decreased or remained constant as a result of the decommissioning of the extraction points.	Monitoring of collected flow rate in accordance with Condition 3 - Table 1 (c)(2)(vi)(A).	NO	
4	Condition 3 - Table 1 (c)(2)(vi)(B) The Company shall conduct monthly surface monitoring in the vicinity of the decommissioned well(s) for three (3) consecutive months after initial well decommissioning to determine if additional wells are needed to control fugitive gas emissions or if the decommissioned well(s) need to be returned to service.	Monitoring of surface emissions in accordance with Condition 3 - Table 1 (c)(2)(vi)(B).	NO	
4	Condition 3 - Table 1 (c)(2)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (c)(2)(vii).	NO	
4	Condition 3 - Table 1 (c)(2)(ix) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the monitoring required by Condition 3– Table 1(c)(2)(vi).	Record keeping of monitored data in accordance with Condition 3 - Table 1 (c)(2)(ix).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(2)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide the Department with written notification at least 15 days prior to beginning well decommissioning that includes the following:	Reporting well decommissioning data in accordance with Condition 3 - Table 1 (c)(2)(x)(A).	YES	February 27, March 6, March 24, May 23, and June 30, 2017
4	Condition 3 - Table 1 (c)(2)(x)(A)(1) The reason for well decommissioning.	Reporting reason for decommissioning in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(1).	YES	February 27, March 6, March 24, May 23, and June 30, 2017
4	Condition 3 - Table 1 (c)(2)(x)(A)(2) A plot map that clearly identifies all nearby active wells and the wells to be decommissioned.	Reporting of well location in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(2).	YES	February 27, March 6, March 24, May 23, and June 30, 2017
4	Condition 3 - Table 1 (c)(2)(x)(A)(3) Estimated approximate radius of influence (ROI) of the well to be decommissioned and the ROIs of the nearby active wells or LFG collection trenches.	Reporting of radius of influence in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(3).	YES	February 27, March 6, March 24, May 23, and June 30, 2017
4	Condition 3 - Table 1 (c)(2)(x)(A)(4) Documentation that demonstrates that the wells have been unproductive.	Reporting of documented unproductive wells in accordance with Condition 3 -Table 1 (c)(2)(x)(A)(4).	YES	February 27, March 6, March 24, May 23, and June 30, 2017

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(2)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide a summary report of the results and details of the plans to abandon the decommissioned well(s) to the Department for approval prior to formal abandonment.	Reporting of well abandonment plan in accordance with Condition 3 - Table 1 (c)(2)(x)(B).	YES	January 23, March 16, June 16, and June 30, 2017
4	Condition 3 - Table 1 (c)(2)(x)(C) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide a summary report of landfill gas flow rate and surface emissions monitoring outlined by Condition 3-Table 1(c)(2)(vi)(A)&(B).	Reporting of gas flow rate and emissions monitoring in accordance with Condition 3 - Table 1 (c)(2)(x)(C).	YES	January 23, March 16, June 16, and June 30, 2017
4	Condition 3 - Table 1 (c)(2)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance shall be demonstrated by record keeping and reporting.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (c)(2)(xi).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(A) The collection and control system may be capped or removed provided that all the following conditions are met:	Record keeping of collection systems capping or removal in accordance with Condition 3 - Table 1 (c)(3)(iii)(A).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(A)(1) The landfill shall be no longer accepting solid waste and be permanently closed;	Record keeping of accepted waste in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(1).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(A)(2) The collection and control system shall have been in a minimum of 15 years; and	Record keeping of collection system operation time in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(2).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(3)(iii)(A)(3) The calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.	Record keeping of NMOC gas produced in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(3).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(B) If a closure report has been submitted to the Department, no additional wastes may be placed into the landfill without filing a notification of modification as described under 40 CFR Part 60.7(a)(4) provided that none of the conditions of this permit are violated.	Record keeping of waste acceptance in accordance with Condition 3 - Table 1 (c)(3)(iii)(B).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(C) Any closed landfill that has no monitored exceedances in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane readings of 500 parts per million or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.	Record keeping of monitored exceedances in accordance with Condition 3 - Table 1 (c)(3)(iii)(C).	NO	
4	Condition 3 - Table 1 (c)(3)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 -Table 1 (c)(3)(v).	NO	
4	Condition 3 - Table 1 (c)(3)(vi) The company shall monitor the operational standards of Condition 3–Table 1(c)(3)(iii).	Monitoring of operational standards in accordance with Condition 3 - Table 1 (c)(3)(vi).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(3)(vii) In addition to that required by Condition 3(b)(1)(ii) of this permit, the owner/operator shall calculate the NMOC emission rate using the equation provided in 40 CFR Part 60.754(b).	Record keeping of NMOC emissions calculations in accordance with Condition 3 - Table 1 (c)(3)(vii).	NO	
4	Condition 3 - Table 1 (c)(3)(ix) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep records of the monitoring required by Condition 3–Table 1(c)(3)(vi).	Record keeping of monitored data in accordance with Condition 3 - Table 1 (c)(3)(ix).	NO	
4	Condition 3 - Table 1 (c)(3)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit a closure report to the Department within 30 days of waste acceptance cessation. The Department may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of Section 258.60 of 40 CFR Part 60.	Reporting of landfill closure in accordance with Condition 3 - Table 1 (c)(3)(x)(A).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit an equipment removal report to the Department 30 days prior to removal or cessation of of the control equipment that includes the following:	Reporting of equipment removal in accordance with Condition 3 - Table 1 (c)(3)(x)(B).	YES	N/A

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(3)(x)(B)(1) A copy of the closure report submitted in accordance with Condition 3–Table 1(c)(3)(x)(A);	Reporting of closure in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(1).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(x)(B)(2) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired, and	Reporting of initial performance test in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(2).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(x)(B)(3) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.	Reporting of NMOC emission rates in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(3).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (c)(3)(xi).	NO	
4	Condition 3 - Table 1 (c)(4)(iii) The owner/operator shall develop and implement a written startup, shutdown and malfunction plan (SSM) that describes, in detail, procedures for operating and maintaining the collection and control system and the continuous monitoring system during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment according to the provisions of 40 CFR Part 63.6(e)(3).	Record keeping of SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(iii).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(4)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(4)(v).	NO	
4	Condition 3 - Table 1 (c)(4)(vi) In addition to the requirements of all monitoring conditions specified under Condition 3-Table 1(c), the Company shall monitor the time, date, and length of all SSM and any actions taken at such times.	Monitoring of SSM events in accordance with Condition 3 - Table 1 (c)(4)(vi).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(A) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep the written Startup Shutdown and Malfunction Plan (SSM Plan) on record to be made available for inspection upon request, for the life of the affected source.	Record keeping of SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(ix)(A).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(B) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep previous versions of the SSM Plan on record if the SSM Plan is revised, for a period of 5 years after each revision to the plan.	Record keeping of previous SSM Plans in accordance with Condition 3 - Table 1 (c)(4)(ix)(B).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(C) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the occurrence and duration of each SSM of operation, and of the air pollution control equipment.	Record keeping of each SSM event in accordance with Condition 3 - Table 1 (c)(4)(ix)(C).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(4)(ix)(D) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall record all maintenance performed on the air pollution control equipment.	Record keeping of equipment maintenance in accordance with Condition 3 - Table 1 (c)(4)(ix)(D).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(E) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall record actions taken during periods of SSM (including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the SSM Plan.	Record keeping of actions taken during SSM periods in accordance with Condition 3 - Table 1 (c)(4)(ix)(E).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(F) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain all information necessary to demonstrate conformance with the affected source's SSM Plan when all actions taken during periods of SSM are consistent with the procedures specified in such plan.	Record keeping of conformance with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(ix)(F).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(G) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of the permit, the Company shall record each period during which a CMS is malfunctioning or inoperative.	Record keeping of CMS malfunctions in accordance with Condition 3 - Table 1 (c)(4)(ix)(G).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(4)(x)(A) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: A SSM report shall be submitted semiannually.	Reporting of SSM compliance in accordance with Condition 3 - Table 1 (c)(4)(x)(A).	YES	January 31 and July 25, 2017
4	Condition 3 - Table 1 (c)(4)(x)(B) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: If actions taken during a SSM are consistent with the procedures specified in the SSM Plan, the owner or operator shall state such information in the report.	Reporting of actions consistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(B).	YES	January 31 and July 25, 2017
4	Condition 3 - Table 1 (c)(4)(x)(C) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: The SSM report shall consist of a letter, containing the name, title, and signature of the responsible official certifying to its accuracy.	Reporting of SSM report accuracy in accordance with Condition 3 - Table 1 (c)(4)(x)(C).	YES	January 31 and July 25, 2017

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(4)(x)(D) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: SSM reports shall be delivered or postmarked by the 30th day following the end of each calendar half.	Reporting of SSM on time in accordance with Condition 3 - Table 1 (c)(4)(x)(D).	YES	January 31 and July 25, 2017
4	Condition 3 - Table 1 (c)(4)(x)(E) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: Anytime an action taken by an owner/operator during a SSM is not consistent with the procedures specified in the SSM plan, the owner/operator shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E).	YES	January 31 and July 25, 2017
4	Condition 3 - Table 1 (c)(4)(x)(E)(1) The immediate report shall consist of a telephone call or facsimile transmission within 2 working days after commencing actions.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E)(1).	YES	N/A

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
4	Condition 3 - Table 1 (c)(4)(x)(E)(2) The letter shall contain the name, title and signature of the responsible official certifying its accuracy, explaining the circumstances of the event, the reasons for not following the SSM plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E)(2).	YES	N/A
4	Condition 3 - Table 1 (c)(4)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping and reporting requirements outlined above.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (c)(4)(xi).	NO	
5	Condition 3 - Table 1 (d)(1)(i) The gas plant shall not be a source of emissions.	Record keeping and monitoring of gas plant in accordance with Condition 3 - Table 1 (d)(1)(i).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(A)(1) Route all the collected gas to: the gas compression plant that processes the collected gas for subsequent sale or , use; or	Record keeping of gas routing in accordance with Condition 3 - Table 1 (d)(1)(iv)(A)(1).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(A)(2) Permitted flare(s) designed and operated in accordance with §60.18(c).	Record keeping of gas routing in accordance with Condition 3 - Table 1 (d)(1)(iv)(A)(2).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(B)(1) The gas plant shall: be operated at all times when the collected gas is routed to the system.	Record keeping of gas plant operation in accordance with Condition 3 - Table 1 (d)(1)(iv)(B)(1).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
5	Condition 3 - Table 1 (d)(1)(iv)(B)(2) be maintained and operated in a manner consistent with the specifications in the operation manual. Any changes to the manuals shall be submitted to the Department.	Record keeping of operation and maintenance in accordance with Condition 3 - Table 1 (d)(1)(iv)(B)(2).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(C) DSWA shall upgrade the landfill gas collection system, including gas lines, process skid, and compressor so it is capable of processing and transmitting processed landfill gas at the rate of 9,000 scfm. When the landfill gas flow rate exceeds a daily average of 8,000 scfm for two (2) consecutive months, DSWA shall upgrade the system so it is capable of processing and transmitting processed landfill gas at the rate of 12,000 scfm. In any event, all landfill gas collected at the landfill either shall be processed by the gas compressor system or burned at a flare or flares.	Record keeping of gas system upgrades in accordance with Condition 3 - Table 1 (d)(1)(iv)(C).	NO	
5	Condition 3 - Table 1 (d)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (d)(1)(v).	NO	
5	Condition 3 - Table 1 (d)(1)(vi) The owner/operator shall monitor operational limitations of this section.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (d)(1)(vi).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
5	Condition 3 - Table 1 (d)(1)(ix)(A) The owner/operator shall maintain all records specified under Condition 3-Table 1(d)(1)(vi) including the following information:	Record keeping in accordance with Condition 3 - Table 1 (d)(1)(ix)(A).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(A)(1) The date and time the gas plant was shut down;	Record keeping of gas plant shut downs in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(1).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(A)(2) The date and time the gas flow was restored to the plant; and	Record keeping of gas flow to gas plant in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(2).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(A)(3) The date and time the flare was fired.	Record keeping of flare use in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(3).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(B) Records of the control device vendor specifications shall be maintained until removal.	Record keeping of vendor specifications in accordance with Condition 3 - Table 1 (d)(1)(ix)(B).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(C) The daily exit gas flow rate from gas plant as specified in Condition 3-Table 1 (d)(1)(iv)(A).	Record keeping of exit gas flow rate in accordance with Condition 3 - Table 1 (d)(1)(ix)(C).	NO	
5	Condition 3 - Table 1 (d)(1)(x)(A) Any changes to the operational manual shall be submitted to the Department within one (1) month.	Reporting of changes to the operational manual in accordance with Condition 3 - Table 1 (d)(1)(x)(A).	YES	N/A
5	Condition 3 - Table 1 (d)(1)(x)(B) In addition to Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department annual reports of the following information:	Reporting in accordance with Condition 3 - Table 1 (d)(1)(x)(B).	YES	Attachment A

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
5	Condition 3 - Table 1 (d)(1)(x)(B)(1) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR Part 60.756.	Reporting of gas routing in accordance with Condition 3 - Table 1 (d)(1)(x)(B)(1).	YES	Attachment A
5	Condition 3 - Table 1 (d)(1)(x)(B)(2) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour during normal operating hour and 4 hours outside normal operating hour, and length of time the control device was not operating.	Reporting of control device down time in accordance with Condition 3 - Table 1 (d)(1)(x)(B)(2).	YES	Attachment A
5	Condition 3 - Table 1 (d)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance will be determined based on records keeping and reporting requirements of this section.	Record keeping and reporting in accordance with Condition 3 - Table 1 (d)(1)(xi).	NO	
6	Condition 3 - Table 1 (e)(1)(i) The generator shall be operated in conformance with the generator manufacturer's instructions, such as following maintenance and operating requirements to help minimize emissions.	Record keeping of operations in accordance with Condition 3 - Table 1 (e)(1)(i).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(A) The emergency generator may be operated for an unlimited number of hours during an emergency as described in Condition 3–Table 1(e)(1)(iii)(C).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(A).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
6	Condition 3 - Table 1 (e)(1)(iii)(B) The emergency generator may operate for an unlimited number of hours during testing or for maintenance purposes, pursuant to the definition of an emergency generator as defined in the 7 DE Admin Code 1144, except as restricted by Condition 3–Table 1(e)(1)(iii)(D).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(B).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(C) The emergency generator may only operate during an emergency as defined below:	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(C)(1) An electrical power outage due to: a failure of the electrical grid; on-site disaster; local equipment failure; or public service emergencies such as flood, fire, natural disaster, or severe weather conditions (e.g. hurricane, tornado, blizzard, etc.); or	Record keeping of hours of emergency operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C)(1).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(C)(2) When there is a deviation of voltage or frequency from the electrical provider to the premises of three percent (3%) or greater above, or five Percent (5%) or greater below, standard voltage or frequency.	Record keeping of hours of emergency operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C)(2).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(D) No emergency generator shall be used during testing or for maintenance purposes before 5 p.m. on a day which has a Ground Level Ozone Pollution Forecast or Particle Pollution Forecast of "Code Red" or "Code Orange" as announced by the Department.	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(D).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
6	Condition 3 - Table 1 (e)(1)(iii)(E) Despite Condition 3–Table 1(e)(1)(iii)(D), an emergency generator may be tested on any day that such testing is required to meet National Fire Protection Association (NFPA) standards.	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(E).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(F) The emergency generator shall only combust diesel fuel or biodiesel blend having a sulfur content equal to or less than 0.05% by weight.	Record keeping of generator fuel in accordance with Condition 3 - Table 1 (e)(1)(iii)(F).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(G) The emergency generator shall be equipped with a properly functioning non-resettable hour metering device.	Record keeping of generator equipment in accordance with Condition 3 - Table 1 (e)(1)(iii)(G).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(H) The emergency generator shall not be operated in conjunction with a voluntary demand reduction program or any other interruptible power supply arrangement with a utility, other market participant, or system operator (e.g. Delmarva Power, Delaware Electric Cooperative, PJM, etc.).	Record keeping of reasons for operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(H).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(I) The emergency generator shall not be transferred off-site without first notifying the Department. Whoever becomes the new owner or operator of this generator within the State of Delaware shall apply for a construction permit.	Record keeping of generator location in accordance with Condition 3 - Table 1 (e)(1)(iii)(I).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
6	Condition 3 - Table 1 (e)(1)(iv) The emergency generator shall be serviced annually by a manufacturer's representative or by personnel trained to perform maintenance according to the manufacturer's recommendations.	Record keeping of maintenance and personnel training/qualifications in accordance with Condition 3 - Table 1 (e)(1)(iv).	NO	
6	Condition 3 - Table 1 (e)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping in accordance with Condition 3 - Table 1 (e)(1)(v).	NO	
6	Condition 3 - Table 1 (e)(1)(vi)(A) The Company shall monitor, for each operating period: The type of fuel used to fire this Emission Unit; The monthly amount of fuel combusted; The sulfur content of the fuel oil for each shipment; and the date, time, duration, and reason for each startup.	Monitoring fuel and fuel usage in accordance with Condition 3 - Table 1 (e)(1)(vi)(A).	NO	
6	Condition 3 - Table 1 (e)(1)(vi)(B) The hours and minutes of operation.	Monitoring of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(vi)(B).	NO	
6	Condition 3 - Table 1 (e)(1)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (e)(1)(vii).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(A) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: the monitoring required in Condition 3 – Table 1(e)(1)(vi).	Record keeping of monitoring data in accordance with Condition 3 - Table 1 (e)(1)(ix)(A).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
6	Condition 3 - Table 1 (e)(1)(ix)(B) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: for each shipment of fuel, shipping receipt and fuel supplier certifications of fuel sulfur content that state: The type of fuel delivered; and The percentage of sulfur in the fuel and the method used to determine the sulfur content.	Record keeping of fuel information in accordance with Condition 3 - Table 1 (e)(1)(ix)(B).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(C) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: As an alternative to Condition 3–Table 1(e)(1)(ix)(B), the owner may have a the fuel in the generator's fuel tank certified by a third party laboratory, after each shipment of liquid fuel. This certification shall identify: The type of fuel delivered; and The percentage of sulfur in the fuel and the method used to determine the sulfur content.	Record keeping of fuel information in accordance with Condition 3 - Table 1 (e)(1)(ix)(C).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(D) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the initial notification as required by 7 DE Admin Code 1144.	Record keeping of initial notification in accordance with Condition 3 - Table 1 (e)(1)(ix)(D).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
6	Condition 3 - Table 1 (e)(1)(ix)(E) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the manufacturer's maintenance and operational recommendations.	Record keeping of maintenance and operational manual in accordance with Condition 3 - Table 1 (e)(1)(ix)(E).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(F) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: Monthly, the hours of operation on a monthly and cumulative twelve (12) month basis.	Record keeping of hours of operation in accordance with Condition 3 -Table 1 (e)(1)(ix)(F).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(G) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: Monthly, the total fuel usage on a monthly and cumulative twelve (12) month basis.	Record keeping of fuel usage in accordance with Condition 3 - Table 1 (e)(1)(ix)(G).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(H) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the annual service performed in accordance with Condition 3–Table 1(e)(1)(iv)(A).	Record keeping of service records in accordance with Condition 3 - Table 1 (e)(1)(ix)(H).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

Facility Name: CIL **Operating Permit Number:** AQM-003/00111-R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
6	Condition 3 - Table 1 (e)(1)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, if the emergency generator is to be reclassified from an emergency generator to a distributed generator, the owner or operator shall submit a letter stating that the generator is to be reclassified. Reclassification shall not occur without written permission from the Department.	Reporting of generator reclassification in accordance with Condition 3 - Table 1 (e)(1)(x)(A).	YES	N/A
6	Condition 3 - Table 1 (e)(1)(x)(B) The Company shall calculate the emissions from emergency generator and include this information to yearly emissions inventory report.	Reporting of emissions in accordance with Condition 3 - Table 1 (e)(1)(x)(B).	YES	April 27, 2017
6	Condition 3 - Table 1 (e)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping and reporting requirements outlined above.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (e)(1)(xi).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(ii) The facility's rolling 12-month emission limitations are based on two low-NOx enclosed flares and all permitted passive flares as shown below: NOx=23.9 tons, CO=57.4 tons, PM=16 tons, NMOC=0.61 tons, Sox=77 tons, HCl=1.11 tons.	Monitoring emissions limitations in accordance with Condition 3 - Table 1 (f)(1)(ii).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(A) As outlined by the unit-specific operational limitations by this permit.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (f)(1)(iv)(A).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

Facility Name: CIL **Operating Permit Number:** AQM-003/00111-R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(B) Only permitted temporary grinders may be used on site and all emissions from the temporary grinders shall be included in the facility wide total emiisions.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(iv)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(C) Only permitted temporary crushers may be used on site and all emissions from the temporary crushers shall be included in the facility wide total emiisions.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(iv)(C).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(1)(v).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(A) The owner/operator shall monitor the following: monthly and 12-month emissions of NOx, CO, PM, NMOCs, SOx, and HCl from the facility.	Monitoring of emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(B) The owner/operator shall monitor unit-specific visible emissions as outlined by this permit.	Monitoring of visible emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(C) The owner/operator shall monitor the hours of operation of permitted temporary stationary equipment.	Monitoring of hours of operation in accordance with Condition 3 - Table 1 (f)(1)(vi)(C).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(1)(vii).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
Facility Wide	Condition 3 - Table 1 (f)(1)(ix) That required by Conditions 3(b)(1)(ii) and 3(b)(2) and Condition 3-Table 1(f)(1)(vi) of this permit.	Record keeping in accordance with Condition 3 - Table 1 (f)(1)(ix).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(x) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall calculate the rolling 12-month emissions from passive flares based on actual hours of operations and best engineering assumptions. The owner/operator shall include the passive flare emissions to yearly emissions inventory report.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(x).	YES	April 27, 2017
Facility Wide	Condition 3 - Table 1 (f)(1)(xi)(A) Compliance with the emission limitations identified by the unit-specific emissions shall be demonstrated each month based on the amount of gas combusted, actual NMOC, actual H2S concentrations, actual methane content in landfill gas, approved emission factors and good engineering assumptions.	Record keeping of compliance with emission limitations in accordance with Condition 3 - Table 1 (f)(1)(xi)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(xi)(B) Any noncompliance with the restrictions of Condition 3–Table 1(f)(xi)(A) shall be evaluated in accordance with the requirements of 7 DE Admin Code 1125, Requirements for Preconstruction Review. Any emission exceedances which trigger the requirements of 7 DE Admin Code 1125 shall subject the facility to full review under this regulation as though construction had not yet commenced at the facility.	Record keeping of noncompliance in accordance with Condition 3 - Table 1 (f)(1)(xi)(B).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
Facility Wide	Condition 3 - Table 1 (f)(2)(i) Odor: The owner/operator shall not cause or allow the emission of odorous air contaminants such as to cause a condition of air pollution.	Record keeping of emissions of odorous air contaminants in accordance with Condition 3 Table 1 (f)(2)(i).	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(iv) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(2)(iv).	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(v)(A) Conduct daily odor survey at the perimeter of the facility on days the facility is operational. The daily surveys shall be conducted 6 days a week (Monday through Saturday). The owner or operator shall resume off day monitoring if there are any verified odor complaints on any off day in any subsequent quarter. If a landfill gas odor sufficient to cause or create a condition of air pollution is detected, the owner/operator shall take immediate action to correct landfill gas odor problem. The following information shall be recorded and maintained in written or electronic log. Any written log shall be initialed: Start and end time of survey, presence or absence of odor, wind direction, ambient air temperature, and location monitored. In the event when odor is detected along the perimeter exterior of the landfill, the odor survey log shall include the following additional information: Humidity content of ambient air, average wind speed, actions taken in response to odor found.	Monitoring of odors in accordance with Condition 3 - Table 1 (f)(2)(v)(A).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
Facility Wide	Condition 3 - Table 1 (f)(2)(v)(B) The owner/operator shall conduct perimeter H2S survey (measurement) if H2S concentration in LFG exceeds 450 ppm in two consecutive quarters by laboratory analysis (ASTM). The perimeter H2S measurements shall be conducted within seventy two (72) hours upon receiving the laboratory results and maintain this information for the Department's reviews.	Monitoring of odors in accordance with Condition 3 - Table 1 (f)(2)(v)(B)	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(2)(vii).	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(ix) In addition to that required by Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the owner/operator shall maintain records of the following: 1. Presence or absence of odor; 2. Wind direction and ambient air temperature; 3. Location monitored; 4. Actions taken in response to odors found. For H2S monitoring the owner/operator shall maintain records of the following: 1. Method used for perimeter monitoring (survey); 2. Monitoring results; 3.Monitoring location.	Record keeping of odor logs in accordance with Condition 3 - Table 1 (f)(2)(ix).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
Facility Wide	Condition 3 - Table 1 (f)(2)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall comply with the following: Notify the Department immediately if daily or other odor surveys detect odors beyond the landfill perimeter. The owner/operator shall submit an odor survey sumary log by the end of each calendar month for the previous month. The odor survey summary log shall include all information outlined by Condition 3-Table 1(f)(2)(v)(A).	Reporting of odors in accordance with Condition 3 - Table 1 (f)(2)(x)(A).	YES	Submitted monthly throughout the year
Facility Wide	Condition 3 - Table 1 (f)(2)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall comly with the following: Research and explore various H2S generation reduction strategies and control options and implement these strategies as necessary so that the H2S concentration in the landfill gas remains consistently low and meets the Ambient Air Quality Standard (AAQS) outlined by 7 DE Admin Code 1103, Section 9 for this pollutant. The facility must submit an annual report to the Department by the end of March of each calendar year for the previous year summarizing its findings including which strategies and control options have been implemented for H2S generation reduction.	Compliance with researching H2S reduction methods in accordance with Condition 3 - Table 1 (f)(2)(x)(B).	YES	March 30, 2017

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Facility Name: CIL **Operating Permit Number:** AQM-003/00111-R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
Facility Wide	Condition 3 - Table 1 (f)(2)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance is demonstrated if the owner/operator has no knowledge to the contrary and has no prior history of exceedances.	Compliance with Condition 3(c)(3) in accordance with Condition 3 - Table 1 (f)(2)(xi).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(A) All structural and mechanical components of the equipment covered by this permit shall be maintained in proper operating condition and such equipment shall be operated at all times in a manner consistent with good air pollution control practice.	Record keeping of equipment maintenance in accordance with Condition 3 - Table 1 (f)(3)(iii)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(B) No person shall cause or allow land clearing, land grading (including grading for roads), excavation, or use of non-paved roads on private property unless methods, such as the application of water or the use of other techniques approved by the Department, are employed to control dust emission.	Record keeping of dust control actions in accordance with Condition 3 - Table 1 (f)(3)(iii)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(C) No person shall cause or allow visible particulate emissions of any material being transported by a motor vehicle.	Record keeping of visible particulate emissions in accordance with Condition 3 - Table 1 (f)(3)(iii)(C).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(D) No person shall cause or allow stockpiling or other storage of material or transport to or from a storage facility in such a manner as may cause a condition of air pollution.	Record keeping of stockpiling practices in accordance with Condition 3 - Table 1 (f)(3)(iii)(D).	NO	

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
Facility Wide	Condition 3 - Table 1 (f)(3)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(3)(v).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(vi)(A) Each month, the owner/operator shall monitor the operational limitations specified under Condition 3–Table 1(f)(3)(iii). The Company monitor all of the maintenance performed on equipment covered by this permit, and update records as needed.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (f)(3)(vi)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(vi)(B) Each day, the Company shall monitor the methods used to store and transport material and the methods used for control of fugitive dust from loading, unloading, clearing, grading, and excavation.	Monitoring of storage, transport, and dust control methods in accordance with Condition 3 - Table 1 (f)(3)(vi)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(3)(vii).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(ix) In addition to that required by Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the monitoring performed in Condition 3–Table 1(f)(3)(vi).	Record keeping of monitoring data in accordance with Condition 3 - Table 1 (f)(3)(ix).	NO	
Facility Wide	Condition 3 - Table 1(f)(3)(x) That required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit.	Compliance with Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit in accordance with Condition 3 - Table 1(f)(3)(x).	YES	N/A

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TABLE 1 - Report of Any Required Monitoring

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	**Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance**	**Monitoring**	**Separate Monitoring Report Required?**	**If Yes, Date of Separate Report Submittal or Attachment ID**
Facility Wide	Condition 3 - Table 1 (f)(3)(xi)(A) In addition to that required by Condition 3(c)(3)of this permit, compliance wit the operational standards shall be demonstrated by the following: Compliance with the Condition 3–Table 1(f)(3)(iii)(A) shall be demonstrated by adherence to good engineering operations and work practices, and based upon record keeping for the proper operation and maintenance of the equipment covered by this permit.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (f)(3)(xi)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(xi)(B) In addition to that required by Condition 3(c)(3)of this permit, compliance wit the operational standards shall be demonstrated by the following: Compliance with the Condition 3 – Table 1(f)(3)(iii)(B), (C), and (D) shall be demonstrated by record keeping.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (f)(3)(xi)(B).	NO	

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Facility Name: CIL **Operating Permit Number:** AQM-003/00111 - R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

Table 2 - Identification of Deviations

1. Permit Term or Condition for which there is a deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(H)(1)	4	Positive pressure detected at wellhead.

4. Deviation Duration		
4.1 Date (mm/dd/yyyy) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min):

5. Probable Cause of Deviation	6. Corrective Action
See Attachment B for additional information.	

7. Deviation Reporting

7.1 Did your Permit require that this Deviation be reported previously? ☐ YES ☑ NO

7.2 Was this Deviation reported previously? ☐ YES ☑ NO ☐ NOT APPLICABLE

7.2(a) If YES, provide the date the written report was submitted: 00/00/0000

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Facility Name: CIL **Operating Permit Number:** AQM-003/00111 - R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

Table 2 - Identification of Deviations

1. Permit Term or Condition for which there is a deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(H)(2)	4	Corrective action for pressure exceedance at well CILFG062R was not recorded on or before the 5th day and negative pressure was not achieved on or before the 15th day.

4. Deviation Duration		
4.1 Date (mm/dd/yyyy) Beginning: 05/01/2017 Ending: 05/24/2017	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min): 24:00

5. Probable Cause of Deviation	6. Corrective Action
Technician error. The well was originally read on 5/01/2017 showing a pressure exceedance, but the reading was miscategorized as a well in decommissioning and the 5-day and 15-day requirements were missed. The well was read again on 5/24/2017 and passed.	The well was read and exceedance corrected on the 23rd day as soon as the error was noticed.

7. Deviation Reporting			
7.1 Did your Permit require that this Deviation be reported previously?	☐ YES	☑ NO	
7.2 Was this Deviation reported previously?	☐ YES	☑ NO	☐ NOT APPLICABLE
7.2(a) If YES, provide the date the written report was submitted: 00/00/0000			

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Facility Name: CIL **Operating Permit Number:** AQM-003/00111 - R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

Table 2 - Identification of Deviations

1. Permit Term or Condition for which there is a deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(I)(1)	4	Oxygen level greater than 5% detected at wellhead.

4. Deviation Duration		
4.1 Date (mm/dd/yyyy) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min):

5. Probable Cause of Deviation	6. Corrective Action
See Attachment C for additional information.	

7. Deviation Reporting

7.1 Did your Permit require that this Deviation be reported previously? ☐ YES ☑ NO

7.2 Was this Deviation reported previously? ☐ YES ☑ NO ☐ NOT APPLICABLE

7.2(a) If YES, provide the date the written report was submitted: 00/00/0000

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Facility Name: CIL **Operating Permit Number:** AQM-003/00111 - R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

Table 2 - Identification of Deviations

1. Permit Term or Condition for which there is a deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(I)(1)	4	Temperature greater than 131°F detected at wellhead.

4. Deviation Duration		
4.1 Date (mm/dd/yyyy) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min):

5. Probable Cause of Deviation	6. Corrective Action
See Attachment C for additional information.	

7. Deviation Reporting

7.1 Did your Permit require that this Deviation be reported previously? ☐ YES ☑ NO

7.2 Was this Deviation reported previously? ☐ YES ☑ NO ☐ NOT APPLICABLE

7.2(a) If YES, provide the date the written report was submitted: 00/00/0000

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Facility Name: CIL **Operating Permit Number:** AQM-003/00111 - R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

Table 2 - Identification of Deviations

1. Permit Term or Condition for which there is a deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(J)	4	Methane surface emissions detected greater than 500 ppm.

4. Deviation Duration		
4.1 Date (mm/dd/yyyy) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min):

5. Probable Cause of Deviation	6. Corrective Action
See Attachment D for additional information.	

7. Deviation Reporting

7.1 Did your Permit require that this Deviation be reported previously? ☐ YES ☑ NO

7.2 Was this Deviation reported previously? ☐ YES ☑ NO ☐ NOT APPLICABLE

7.2(a) If YES, provide the date the written report was submitted: 00/00/0000

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Facility Name: CIL **Operating Permit Number:** AQM-003/00111 - R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

Table 2 - Identification of Deviations

1. Permit Term or Condition for which there is a deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(ix)(D)	4	Inaccurate flow measurements to the flare.

4. Deviation Duration		
4.1 Date (mm/dd/yyyy) Beginning: 01/01/2017 Ending: 02/07/2017	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min):

5. Probable Cause of Deviation	6. Corrective Action
Irregular flow patterns in flare inlet pipe resulting in unreliable flow measurements.	Installed a flow conditioning device in the pipeline upstream of the flow instrument, as recommended by an Engineer, to create a uniform flow pattern for reliable flow measurement.

7. Deviation Reporting

7.1 Did your Permit require that this Deviation be reported previously? ☑ YES ☐ NO

7.2 Was this Deviation reported previously? ☑ YES ☐ NO ☐ NOT APPLICABLE

7.2(a) If YES, provide the date the written report was submitted: 01/30/2017

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Facility Name: CIL **Operating Permit Number:** AQM-003/00111 - R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

Table 2 - Identification of Deviations

1. Permit Term or Condition for which there is a deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (d)(1)(x)(B)(2)	5	Collection system down time exceeded 1 hour during operating hours.

4. Deviation Duration		
4.1 Date (mm/dd/yyyy) Beginning: 05/17/2017 Ending: 05/17/2017	4.2 Time (hr:min) Start: 08:06 End: 09:35	4.3 Duration (hr:min):

5. Probable Cause of Deviation	6. Corrective Action
Power failure - no power being delivered to facility.	The gas collection system was brought back into operation when power was restored to the facility. During the power failure all valves were closed to prevent the venting of landfill gas to the atmosphere.

7. Deviation Reporting

7.1 Did your Permit require that this Deviation be reported previously? ☐ YES ☑ NO

7.2 Was this Deviation reported previously? ☐ YES ☑ NO ☐ NOT APPLICABLE

7.2(a) If YES, provide the date the written report was submitted: 00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

Facility Name: CIL **Operating Permit Number:** AQM-003/00111 - R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

Table 2 - Identification of Deviations

1. Permit Term or Condition for which there is a deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (d)(1)(x)(B)(2)	5	Collection system down time exceeded 4 hours outside of operating hours.

4. Deviation Duration		
4.1 Date (mm/dd/yyyy) Beginning: 06/13/2017 Ending: 06/13/2017	4.2 Time (hr:min) Start: 16:48 End: 21:33	4.3 Duration (hr:min):

5. Probable Cause of Deviation	6. Corrective Action
Scheduled power outage - Delmarva Power performing repairs to transformer.	Delmarva Power scheduled repairs to the transformer station that supplies the facility. The gas collection system was brought back into operation when power was restored to the facility. During the power outage all valves were closed to prevent the venting of landfill gas to the atmosphere.

7. Deviation Reporting			
7.1 Did your Permit require that this Deviation be reported previously?	☐ YES	☑ NO	
7.2 Was this Deviation reported previously?	☐ YES	☑ NO	☐ NOT APPLICABLE
7.2(a) If YES, provide the date the written report was submitted: 00/00/0000			

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

Facility Name: CIL **Operating Permit Number:** AQM-003/00111 - R 2 R 2 **Reporting Period:** 01/01/2017 **TO** 06/30/2017

Table 2 - Identification of Deviations

1. Permit Term or Condition for which there is a deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (f)(1)(vi)(A)	4	Inaccurate flow records to the flare.

4. Deviation Duration		
4.1 Date (mm/dd/yyyy) Beginning: 01/01/2017 Ending: 02/07/2017	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min):

5. Probable Cause of Deviation	6. Corrective Action
Inaccurate flow measurements.	Data correction algorithm created by alternate measurements and comparrisons.

7. Deviation Reporting

7.1 Did your Permit require that this Deviation be reported previously? ☑ YES ☐ NO

7.2 Was this Deviation reported previously? ☑ YES ☐ NO ☐ NOT APPLICABLE

7.2(a) If YES, provide the date the written report was submitted: 01/30/2017

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

Facility Name: CIL **Operating Permit Number:** **AQM-003/00111-R2 R2** **Reporting Period:** 01/01/2017 **TO** 06/30/2017

Table 3 – Additional Information

Emission Unit/Point	Deviation	Additional Information
N/A		

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section Semi-Annual Report (continued)	AQM-1001DD

Facility Name: CIL **Operating Permit Number:** **AQM-003/00111-R2 R2** **Reporting Period:** 01/01/2017 **TO** 06/30/2017

Table 4 – Additional Information – List of Attachments

Attachment #	Description/Document Title
Attachment A	**Collection System Operations Log**
Attachment B	**Wellhead Pressure Exceedances**
Attachment C	**Wellhead Oxygen and Temperature Exceedances**
Attachment D	**Surface Emissions Monitoring Exceedances**
Attachment E	**Well Commissioning Log**
Attachment F	**CIL Landfill Gas System Plan**

Collection Systems Operations Log
Cherry Island Landfill
January 1, 2017 through June 30, 2017

Condition 3 - Table 1 (b)(1)(iii)(D), (c)(1)(x)(C)(2), (d)(1)(x)(B)(1) and (2) Emission Units 2, 3 and 5

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
1/1/17			0			0	24.00	
1/2/17			0			0	24.00	
1/3/17			0			0	24.00	
1/4/17			0			0	24.00	
1/5/17			0			0	24.00	
1/6/17			0	7:12	7:25	0.21	22.92	Flare on and off to control vacuum
1/6/17				12:51	13:10	0.31		Flare on and off to control vacuum
1/6/17				13:33	13:59	0.43		Flare on and off to control vacuum
1/6/17				21:27	21:35	0.13		Flare on and off to control vacuum
1/7/17			0	5:19	5:49	0.5	20.25	Flare on and off to control vacuum
1/7/17				6:51	7:20	0.48		Flare on and off to control vacuum
1/7/17				8:11	8:41	0.5		Flare on and off to control vacuum
1/7/17				9:24	9:56	0.53		Flare on and off to control vacuum
1/7/17				10:26	11:00	0.56		Flare on and off to control vacuum
1/7/17				18:21	19:32	1.18		Flare on and off to control vacuum
1/8/17			0	0:09	0:35	0.43	0.27	Valve frozen
1/8/17				0:42		23.3		Valve frozen
1/9/17	10:03	10:05	0.03		10:16	10.45	1.55	Flare on and off to control vacuum
1/9/17	10:34	10:36	0.03	10:35	10:38	0.05		Flare on and off to control vacuum
1/9/17				10:41	11:31	0.83		Flare on and off to control vacuum
1/9/17				11:42	12:29	0.78		Flare on and off to control vacuum
1/9/17				13:15	13:29	0.23		Flare on and off to control vacuum
1/9/17				13:53		10.11		Flare on and off to control vacuum
1/10/17			0		11:32	11.53	11.87	Flare on and off to control vacuum
1/10/17				16:41	16:55	0.06		Flare on and off to control vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
1/10/17				17:17	17:33	0.26		Flare on and off to control vacuum
1/10/17				23:08	23:25	0.28		Flare on and off to control vacuum
1/11/17			0	0:19	0:35	0.26	21.96	Flare on and off to control vacuum
1/11/17				0:59	1:14	0.25		Flare on and off to control vacuum
1/11/17				1:43	1:58	0.25		Flare on and off to control vacuum
1/11/17				2:31	2:47	0.26		Flare on and off to control vacuum
1/11/17				4:10	4:25	0.25		Flare on and off to control vacuum
1/11/17				5:07	5:22	0.25		Flare on and off to control vacuum
1/11/17				10:11	10:16	0.08		Flare on and off to control vacuum
1/11/17				11:54	12:10	0.26		Flare on and off to control vacuum
1/11/17				13:27	13:38	0.18		Flare on and off to control vacuum
1/12/17			0	17:17	17:32	0.25	23.75	Flare on and off to control vacuum
1/13/17			0	13:52	14:16	0.4	23.60	Flare on and off to control vacuum
1/14/17	10:44	10:46	0.03	6:13	6:26	0.21	14.82	Operator error, new computer
1/14/17				7:49	7:59	0.16		Flare on and off to control vacuum
1/14/17				8:14	8:31	0.28		Flare on and off to control vacuum
1/14/17				8:46	8:54	0.13		Flare on and off to control vacuum
1/14/17				9:01	9:12	0.18		Flare on and off to control vacuum
1/14/17				10:26	10:42	0.26		Flare on and off to control vacuum
1/14/17				10:50	11:01	0.18		Flare on and off to control vacuum
1/14/17				13:08	13:39	0.51		Flare on and off to control vacuum
1/14/17				15:54	17:07	1.21		Flare on and off to control vacuum
1/14/17				17:40	18:09	0.48		Flare on and off to control vacuum
1/14/17				18:25		5.58		Flare on and off to control vacuum
1/15/17			0		9:57	9.95	13.79	Flare on and off to control vacuum
1/15/17				14:22	14:38	0.26		Flare on and off to control vacuum
1/16/17			0			0	24.00	
1/17/17			0	7:41	7:48	0.11	23.23	Flare on and off to control vacuum
1/17/17				8:33	8:42	0.15		Flare on and off to control vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
1/17/17				9:11	9:23	0.2		Flare on and off to control vacuum
1/17/17				19:42	20:01	0.31		Flare on and off to control vacuum
1/18/17			0	6:59	7:04	0.08	22.89	Flare on and off to control vacuum
1/18/17				11:31	11:36	0.08		Flare on and off to control vacuum
1/18/17				17:11	18:08	0.95		Flare on and off to control vacuum
1/19/17			0	9:18	9:38	0.33	17.83	Flare on and off to control vacuum
1/19/17				10:15	14:40	4.41		Flare on and off to control vacuum
1/19/17				14:48	15:01	0.21		Flare on and off to control vacuum
1/19/17				15:06	15:16	0.16		Flare on and off to control vacuum
1/19/17				15:25	15:34	0.15		Flare on and off to control vacuum
1/19/17				15:41	15:52	0.18		Flare on and off to control vacuum
1/19/17				16:37	17:21	0.73		Flare on and off to control vacuum
1/20/17			0	2:39	3:26	0.78	22.03	Flare on and off to control vacuum
1/20/17				4:44	4:54	0.16		Flare on and off to control vacuum
1/20/17				5:16	5:27	0.18		Flare on and off to control vacuum
1/20/17				5:33	5:41	0.13		Flare on and off to control vacuum
1/20/17				5:50	6:00	0.16		Flare on and off to control vacuum
1/20/17				6:56	7:02	0.1		Flare on and off to control vacuum
1/20/17				7:32	7:47	0.25		Flare on and off to control vacuum
1/20/17				9:28	9:41	0.21		Flare on and off to control vacuum
1/21/17			0	11:30	12:15	0.75	20.84	Flare on and off to control vacuum
1/21/17				12:29	12:41	0.2		Flare on and off to control vacuum
1/21/17				12:59	13:08	0.15		Flare on and off to control vacuum
1/21/17				13:21	13:36	0.25		Flare on and off to control vacuum
1/21/17				13:47	14:00	0.21		Flare on and off to control vacuum
1/21/17				14:17	14:30	0.21		Flare on and off to control vacuum
1/21/17				14:38	14:54	0.26		Flare on and off to control vacuum
1/21/17				15:05	15:22	0.28		Flare on and off to control vacuum
1/21/17				15:32	15:52	0.33		Flare on and off to control vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
1/21/17				16:07	16:23	0.26		Flare on and off to control vacuum
1/21/17				16:34	16:50	0.26		Flare on and off to control vacuum
1/22/17			0	13:32	13:53	0.35	23.65	Flare on and off to control vacuum
1/23/17			0	2:55	3:10	0.25	11.16	Flare on and off to control vacuum
1/23/17				10:16	10:58	0.7		Flare on and off to control vacuum
1/23/17				11:10	11:24	0.23		Flare on and off to control vacuum
1/23/17				11:37	11:54	0.28		Flare on and off to control vacuum
1/23/17				12:05	12:21	0.26		Flare on and off to control vacuum
1/23/17				12:35	12:51	0.26		Flare on and off to control vacuum
1/23/17				12:59	13:36	0.61		Flare on and off to control vacuum
1/23/17				13:45		10.25		Flare on and off to control vacuum
1/24/17			0		5:02	5.03	17.61	Flare on and off to control vacuum
1/24/17				5:11	5:35	0.4		Flare on and off to control vacuum
1/24/17				5:45	6:21	0.6		Flare on and off to control vacuum
1/24/17				7:38	7:49	0.18		Flare on and off to control vacuum
1/24/17				8:15	8:26	0.18		Flare on and off to control vacuum
1/25/17			0	19:18	19:22	0.06	23.94	Flare on and off to control vacuum
1/26/17			0	12:50	13:00	0.16	23.66	Flare on and off to control vacuum
1/26/17				16:06	16:17	0.18		Flare on and off to control vacuum
1/27/17			0	16:53	17:13	0.33	19.85	Flare on and off to control vacuum
1/27/17				17:27	17:39	0.2		Flare on and off to control vacuum
1/27/17				17:49	18:00	0.18		Flare on and off to control vacuum
1/27/17				18:09	18:22	0.21		Flare on and off to control vacuum
1/27/17				18:29	18:42	0.21		Flare on and off to control vacuum
1/27/17				18:52	19:04	0.2		Flare on and off to control vacuum
1/27/17				19:16	19:28	0.2		Flare on and off to control vacuum
1/27/17				19:37	19:50	0.21		Flare on and off to control vacuum
1/27/17				19:54	20:05	0.18		Flare on and off to control vacuum
1/27/17				20:11	20:27	0.26		Flare on and off to control vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
1/27/17				20:36	20:53	0.28		Flare on and off to control vacuum
1/27/17				21:05	21:21	0.26		Flare on and off to control vacuum
1/27/17				21:31	21:45	0.23		Flare on and off to control vacuum
1/27/17				21:55	22:10	0.25		Flare on and off to control vacuum
1/27/17				22:22	22:42	0.33		Flare on and off to control vacuum
1/27/17				22:55	23:06	0.18		Flare on and off to control vacuum
1/27/17				23:18	23:29	0.18		Flare on and off to control vacuum
1/27/17				23:36	23:48	0.2		Flare on and off to control vacuum
1/27/17				23:56		0.06		Flare on and off to control vacuum
1/28/17			0		0:09	0.15	19.40	Flare on and off to control vacuum
1/28/17				0:12	0:27	0.25		Flare on and off to control vacuum
1/28/17				0:42	0:54	0.2		Flare on and off to control vacuum
1/28/17				1:31	1:45	0.23		Flare on and off to control vacuum
1/28/17				2:00	2:12	0.2		Flare on and off to control vacuum
1/28/17				2:21	2:33	0.2		Flare on and off to control vacuum
1/28/17				2:40	2:52	0.2		Flare on and off to control vacuum
1/28/17				3:01	3:12	0.18		Flare on and off to control vacuum
1/28/17				3:25	3:35	0.16		Flare on and off to control vacuum
1/28/17				3:46	4:00	0.23		Flare on and off to control vacuum
1/28/17				4:08	4:18	3:50		Flare on and off to control vacuum
1/28/17				4:33	4:44	0.18		Flare on and off to control vacuum
1/28/17				4:49	5:00	0.18		Flare on and off to control vacuum
1/28/17				5:09	5:20	0.18		Flare on and off to control vacuum
1/28/17				5:34	5:44	0.16		Flare on and off to control vacuum
1/28/17				5:51	6:02	0.18		Flare on and off to control vacuum
1/28/17				6:08	6:17	0.15		Flare on and off to control vacuum
1/28/17				6:33	6:43	0.16		Flare on and off to control vacuum
1/28/17				8:17	8:28	0.18		Flare on and off to control vacuum
1/28/17				10:11	10:22	0.18		Flare on and off to control vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
1/28/17				11:29	11:39	0.16		Flare on and off to control vacuum
1/28/17				12:49	12:59	0.16		Flare on and off to control vacuum
1/28/17				14:02	14:10	0.13		Flare on and off to control vacuum
1/28/17				15:20	15:31	0.18		Flare on and off to control vacuum
1/28/17				16:49	16:58	0.05		Flare on and off to control vacuum
1/28/17				18:10	18:15	0.08		Flare on and off to control vacuum
1/28/17				21:29	21:37	0.13		Flare on and off to control vacuum
1/29/17			0	0:16	0:26	0.16	15.89	Flare on and off to control vacuum
1/29/17				2:47	2:57	0.16		Flare on and off to control vacuum
1/29/17				10:57	11:39	0.3		Flare on and off to control vacuum
1/29/17				11:50	12:00	3:50		Flare on and off to control vacuum
1/29/17				12:09	12:24	0.25		Flare on and off to control vacuum
1/29/17				12:32	12:45	0.21		Flare on and off to control vacuum
1/29/17				12:53	13:03	0.16		Flare on and off to control vacuum
1/29/17				13:17	13:28	0.18		Flare on and off to control vacuum
1/29/17				13:39	13:52	0.21		Flare on and off to control vacuum
1/29/17				14:01	14:13	0.2		Flare on and off to control vacuum
1/29/17				14:19	14:32	0.21		Flare on and off to control vacuum
1/29/17				14:35	14:49	0.23		Flare on and off to control vacuum
1/29/17				14:58	15:11	0.21		Flare on and off to control vacuum
1/29/17				15:23	15:39	0.26		Flare on and off to control vacuum
1/29/17				15:54	16:05	0.18		Flare on and off to control vacuum
1/29/17				16:11	16:22	0.18		Flare on and off to control vacuum
1/29/17				16:31	16:42	0.18		Flare on and off to control vacuum
1/29/17				16:49	17:02	0.21		Flare on and off to control vacuum
1/29/17				17:15	17:34	0.23		Flare on and off to control vacuum
1/29/17				17:44	17:57	0.21		Flare on and off to control vacuum
1/29/17				18:06	18:18	0.2		Flare on and off to control vacuum
1/29/17				18:27	18:41	0.23		Flare on and off to control vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
1/29/17				18:54	19:14	0.66		Flare on and off to control vacuum
1/29/17				19:23	19:36	0.21		Flare on and off to control vacuum
1/29/17				19:46	20:00	0.23		Flare on and off to control vacuum
1/29/17				20:10	20:22	0.2		Flare on and off to control vacuum
1/29/17				20:31	20:45	0.23		Flare on and off to control vacuum
1/29/17				20:54	21:08	0.23		Flare on and off to control vacuum
1/29/17				21:16	21:32	0.26		Flare on and off to control vacuum
1/29/17				21:43	21:59	0.26		Flare on and off to control vacuum
1/29/17				22:18	22:30	0.2		Flare on and off to control vacuum
1/29/17				22:45	23:04	0.68		Flare on and off to control vacuum
1/29/17				23:15	23:33	0.3		Flare on and off to control vacuum
1/29/17				23:42	23:50	0.13		Flare on and off to control vacuum
1/30/17			0	0:02	0:21	0.35	13.00	Flare on and off to control vacuum
1/30/17				0:29	0:48	0.31		Flare on and off to control vacuum
1/30/17				0:54	1:17	0.38		Flare on and off to control vacuum
1/30/17				1:26	1:41	0.25		Flare on and off to control vacuum
1/30/17				1:48	2:01	0.21		Flare on and off to control vacuum
1/30/17				2:08	3:28	0.33		Flare on and off to control vacuum
1/30/17				3:43	3:55	0.2		Flare on and off to control vacuum
1/30/17				4:00	4:14	0.23		Flare on and off to control vacuum
1/30/17				4:21	10:05	5.73		Flare on and off to control vacuum
1/30/17				10:36	10:46	0.16		Flare on and off to control vacuum
1/30/17				10:54	11:13	0.31		Flare on and off to control vacuum
1/30/17				12:24	12:35	0.18		Flare on and off to control vacuum
1/30/17				14:05	14:15	0.16		Flare on and off to control vacuum
1/30/17				14:19	14:29	0.16		Flare on and off to control vacuum
1/30/17				14:37	14:46	0.15		Flare on and off to control vacuum
1/30/17				15:24	15:34	0.16		Flare on and off to control vacuum
1/30/17				15:40	15:49	0.15		Flare on and off to control vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
1/30/17				15:52	16:09	0.12		Flare on and off to control vacuum
1/30/17				16:23	16:35	0.21		Flare on and off to control vacuum
1/30/17				16:41	16:54	0.21		Flare on and off to control vacuum
1/30/17				17:01	17:13	0.2		Flare on and off to control vacuum
1/30/17				17:21	17:33	0.2		Flare on and off to control vacuum
1/30/17				17:41	17:54	0.21		Flare on and off to control vacuum
1/30/17				18:35	19:01	0.43		Flare on and off to control vacuum
1/31/17			0	6:04	11:34	5.5	16.61	Flare on and off to control vacuum
1/31/17				12:50	13:01	0.18		Flare on and off to control vacuum
1/31/17				13:49	13:59	0.16		Flare on and off to control vacuum
1/31/17				14:08	14:18	0.16		Flare on and off to control vacuum
1/31/17				18:04	19:02	0.96		Flare on and off to control vacuum
1/31/17				22:22	22:48	0.43		Flare on and off to control vacuum
2/1/17			0	1:20	1:29	0.15	20.64	Flare starts and stops to maintain vacuum
2/1/17				6:41	6:51	0.15		Flare starts and stops to maintain vacuum
2/1/17				7:15	7:24	0.15		Flare starts and stops to maintain vacuum
2/1/17				9:42	9:52	0.15		Flare starts and stops to maintain vacuum
2/1/17				11:06	11:15	0.15		Flare starts and stops to maintain vacuum
2/1/17				12:23	13:29	1.1		Flare starts and stops to maintain vacuum
2/1/17				14:20	15:42	1.36		Flare starts and stops to maintain vacuum
2/1/17				17:50	18:00	0.15		Flare starts and stops to maintain vacuum
2/2/17			0	5:44	14:54	9.16	14.07	Flare starts and stops to maintain vacuum
2/2/17				16:16	16:35	0.31		Flare starts and stops to maintain vacuum
2/2/17				17:56	18:05	0.15		Flare starts and stops to maintain vacuum
2/2/17				19:23	19:34	0.18		Flare starts and stops to maintain vacuum
2/2/17				20:54	21:04	0.13		Flare starts and stops to maintain vacuum
2/3/17			0	10:18	11:08	0.83	16.16	Flare starts and stops to maintain vacuum
2/3/17				11:17	12:34	1.28		Flare starts and stops to maintain vacuum
2/3/17				12:38	14:02	0.66		Flare starts and stops to maintain vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
2/3/17				14:24	14:47	0.38		Flare starts and stops to maintain vacuum
2/3/17				14:55	15:19	0.4		Flare starts and stops to maintain vacuum
2/3/17				15:25	16:42	1.28		Flare starts and stops to maintain vacuum
2/3/17				16:52	20:09	3.01		Flare starts and stops to maintain vacuum
2/4/17			0			0	24.00	
2/5/17			0			0	24.00	
2/6/17			0			0	24.00	
2/7/17	7:36	7:37	0.01	7:36	7:47	0.18	23.82	Power Glitch
2/8/17			0	17:27	17:48	0.35	22.52	Flare on and off to control vacuum
2/8/17				18:10	18:17	0.11		Flare on and off to control vacuum
2/8/17				18:22	18:33	0.16		Flare on and off to control vacuum
2/8/17				18:47	18:56	0.15		Flare on and off to control vacuum
2/8/17				19:24	20:07	0.71		Flare on and off to control vacuum
2/9/17	8:03	8:05	0.03	5:41	5:58	0.28	18.25	Power Glitch
2/9/17				6:03	8:06	2.05		Flare on and off to control vacuum
2/9/17				8:09	9:16	1.11		Flare on and off to control vacuum
2/9/17				9:50	9:55	0.08		Flare on and off to control vacuum
2/9/17				10:47	12:56	2.15		Flare on and off to control vacuum
2/9/17				13:50	13:55	0.08		Flare on and off to control vacuum
2/10/17				7:16	7:40	0.4	21.91	Flare on and off to control vacuum
2/10/17				8:31	8:35	0.06		Flare on and off to control vacuum
2/10/17	8:42	8:44	0.03	8:42	9:06	0.4		Power Glitch
2/10/17				11:16	12:31	1.23		Flare on and off to control vacuum
2/11/17			0	4:21	4:33	0.2	23.80	Flare on and off to control vacuum
2/12/17	17:15	17:20	0.08	17:48	18:00	0.36	23.53	Cummins having trouble with their valve
2/12/17	17:27	17:46	0.31	21:06	21:13	0.11		Flare on and off to control vacuum
2/13/17			0	9:48	9:51	0.05	14.70	Flare on and off to control vacuum
2/13/17				13:37	14:04	0.45		Flare on and off to control vacuum
2/13/17				14:51	14:56	0.08		Flare on and off to control vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
2/13/17				15:03	15:13	0.16		Flare on and off to control vacuum
2/13/17				15:26		8.56		Flare on and off to control vacuum
2/14/17	10:18	10:20	0.03		9:36	9.6	13.80	Power Glitch
2/14/17				10:01	10:08	0.11		Flare on and off to control vacuum
2/14/17				10:26	10:49	0.38		Flare on and off to control vacuum
2/14/17				17:06	17:13	0.11		Flare on and off to control vacuum
2/15/17			0			0	24.00	
2/16/17			0			0	24.00	
2/17/17			0	7:26	8:04	0.5	8.07	Flare on and off to control vacuum
2/17/17				8:06	13:33	5.65		Flare on and off to control vacuum
2/17/17				13:39	13:41	0.03		Flare on and off to control vacuum
2/17/17				14:45		9.75		Flare on and off to control vacuum
2/18/17					1:27	1.95	4.48	Flare on and off to control vacuum
2/18/17				1:41	2:10	0.51		Flare on and off to control vacuum
2/18/17	2:25	2:27	0.03	2:25	3:32	1.11		Power Glitch
2/18/17				3:54	8:06	4.2		Flare on and off to control vacuum
2/18/17				9:50	17:09	8.31		Flare on and off to control vacuum
2/18/17	20:14	20:15	0.01	20:25	20:39	0.23		Power Glitch
2/18/17				20:47		3.21		Flare on and off to control vacuum
2/19/17			0		1:11	1.18	22.01	Flare on and off to control vacuum
2/19/17				1:22	1:43	0.35		Flare on and off to control vacuum
2/19/17				1:57	2:25	0.46		Flare on and off to control vacuum
2/20/17	17:17	17:26	0.15	17:17	17:44	0.45	23.45	Cummins valve closed
2/20/17				22:17	22:23	0.1		Flare on and off to control vacuum
2/21/17			0			0	24.00	
2/22/17			0			0	24.00	
2/23/17			0	20:18		3.7	20.30	Flare on and off to control vacuum
2/24/17			0		5:14	5.23	18.77	Flare on and off to control vacuum
2/25/17			0	22:47	23:33	0.76	22.91	Flare on and off to control vacuum
2/25/17				23:40		0.33		Flare on and off to control vacuum
2/26/17			0		7:40	7.66	0.36	Flare on and off to control vacuum
2/26/17				8:02		15.98		Flare on and off to control vacuum
2/27/17			0		6:04	6.06	17.94	Flare on and off to control vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
2/28/17			0			0	24.00	
3/1/17			0			0	24.00	
3/2/17			0			0	24.00	
3/3/17			0	8:37	9:39	1.03	22.97	Flare starts and stops to maintain vacuum
3/4/17			0	1:45	2:21	0.6	19.34	Flare starts and stops to maintain vacuum
3/4/17				3:58	8:06	4.06		Flare starts and stops to maintain vacuum
3/5/17			0	12:53	5:54	5.01	15.55	Flare starts and stops to maintain vacuum
3/5/17				6:01	6:26	0.41		Flare starts and stops to maintain vacuum
3/5/17				6:53	9:55	3.03		Flare starts and stops to maintain vacuum
3/6/17			0	5:21	5:37	0.26	22.19	Flare starts and stops to maintain vacuum
3/6/17				5:56	7:31	1.55		Flare starts and stops to maintain vacuum
3/7/17			0			0	24.00	
3/8/17			0			0	24.00	
3/9/17			0			0	24.00	
3/10/17			0			0	24.00	
3/11/17			0	1:52	2:11	0.29	23.26	Flare starts and stops to maintain vacuum
3/11/17				22:52	23:02	0.16		Flare starts and stops to maintain vacuum
3/11/17				23:16	23:36	0.29		Flare starts and stops to maintain vacuum
3/12/17			0	1:18	1:25	0.1	18.65	Flare starts and stops to maintain vacuum
3/12/17				1:37	1:44	0.1		Flare starts and stops to maintain vacuum
3/12/17				1:51	7:21	5.15		Flare starts and stops to maintain vacuum
3/13/17			0			0	24.00	
3/14/17			0	7:04	7:08	0.06	23.94	Flare starts and stops to maintain vacuum
3/15/17			0	9:01	9:08	0.1	23.86	Flare starts and stops to maintain vacuum
3/15/17				9:11	9:14	0.04		Flare starts and stops to maintain vacuum
3/16/17			0	8:33	8:46	0.2	23.60	Flare starts and stops to maintain vacuum
3/16/17				9:13	9:26	0.2		Flare starts and stops to maintain vacuum
3/17/17			0			0	24.00	
3/18/17			0			0	24.00	
3/19/17			0			0	24.00	
3/20/17			0			0	24.00	
3/21/17			0			0	24.00	
3/22/17			0			0	24.00	

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
3/23/17	10:49	10:55	0.1	7:31	10:56	3.31	20.69	While Rosey's was cleaning drains we sucked the sump for central pump station dry.
3/23/17	11:04	11:30	0.43					While Rosey's was cleaning drains we sucked the sump for central pump station dry.
3/23/17	12:52	13:22	0.5					While Rosey's was cleaning drains we sucked the sump for central pump station dry.
3/24/17			0			0	24.00	
3/25/17			0	1:40	1:48	0.13	23.72	Flare starts and stops to maintain vacuum
3/25/17				7:51	8:00	0.15		Flare starts and stops to maintain vacuum
3/26/17			0			0	24.00	
3/27/17			0			0	24.00	
3/28/17	14:20	14:21	0.01	14:20	14:48	0.45	23.55	Operator accidently tripped plant and flare
3/29/17			0	3:50	5:33	1.71	21.58	Flare starts and stops to maintain vacuum
3/29/17				8:22	9:05	0.71		Flare starts and stops to maintain vacuum
3/30/17			0	16:24	16:37	0.21	21.37	Flare starts and stops to maintain vacuum
3/30/17				18:33	21:00	2.42		Flare starts and stops to maintain vacuum
3/31/17			0	12:16	14:19	2.03	18.63	Flare starts and stops to maintain vacuum
3/31/17				20:03	20:41	0.63		Flare starts and stops to maintain vacuum
3/31/17				21:17		2.71		Flare starts and stops to maintain vacuum
4/1/17			0		7:50	7.83	15.95	Flare starts and stops to maintain vacuum
4/1/17				19:19	19:26	0.11		Flare starts and stops to maintain vacuum
4/1/17				21:01	21:04	0.05		Flare starts and stops to maintain vacuum
4/1/17				21:24	21:28	0.06		Flare starts and stops to maintain vacuum
4/2/17			0			0	24.00	
4/3/17			0	10:44	10:48	0.06	23.94	Flare starts and stops to maintain vacuum
4/4/17			0	7:50	7:53	0.05	23.90	Flare starts and stops to maintain vacuum
4/4/17				9:45	9:48	0.05		Flare starts and stops to maintain vacuum
4/5/17			0			0	24.00	
4/6/17				14:36	14:41	0.08	23.67	Flare starts and stops to maintain vacuum
4/6/17	15:29	15:31	0.03	15:29	15:35	0.1		Power Glitch
4/6/17				15:51	16:00	0.15		Flare starts and stops to maintain vacuum
4/7/17			0			0	24.00	
4/8/17			0			0	24.00	
4/9/17			0			0	24.00	

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
4/10/17			0			0	24.00	
4/11/17			0	11:20	11:25	0.08	23.71	Flare starts and stops to maintain vacuum
4/11/17				14:15	14:28	0.21		Flare starts and stops to maintain vacuum
4/12/17			0			0	24.00	
4/13/17			0			0	24.00	
4/14/17			0			0	24.00	
4/15/17			0			0	24.00	
4/16/17			0			0	24.00	
4/17/17			0	14:55	15:01	0.1	23.90	Flare starts and stops to maintain vacuum
4/18/17	14:25	14:44	0.31	14:25	14:56	0.51	23.49	Operator dropped box on keyboard causing shutdown
4/19/17			0			0	24.00	
4/20/17			0	13:59	14:03	0.06	23.50	Flare starts and stops to maintain vacuum
4/20/17				16:01	16:09	0.13		Flare starts and stops to maintain vacuum
4/20/17				16:35	16:54	0.31		Flare starts and stops to maintain vacuum
4/21/17			0			0	24.00	
4/22/17			0			0	24.00	
4/23/17			0	19:21	19:34	0.21	22.18	Flare starts and stops to maintain vacuum
4/23/17				19:37	19:47	0.16		Flare starts and stops to maintain vacuum
4/23/17				19:52	19:59	0.11		Flare starts and stops to maintain vacuum
4/23/17				20:04	20:12	0.13		Flare starts and stops to maintain vacuum
4/23/17				20:16	20:26	0.16		Flare starts and stops to maintain vacuum
4/23/17				20:29	20:40	0.18		Flare starts and stops to maintain vacuum
4/23/17				20:45	20:53	0.13		Flare starts and stops to maintain vacuum
4/23/17				20:57	21:05	0.13		Flare starts and stops to maintain vacuum
4/23/17				21:11	21:16	0.08		Flare starts and stops to maintain vacuum
4/23/17				21:21	21:28	0.11		Flare starts and stops to maintain vacuum
4/23/17				21:32	21:39	0.11		Flare starts and stops to maintain vacuum
4/23/17				21:44	21:50	0.1		Flare starts and stops to maintain vacuum
4/23/17				21:53	21:59	0.1		Flare starts and stops to maintain vacuum
4/23/17				22:02	22:09	0.11		Flare starts and stops to maintain vacuum
4/24/17			0	16:17	16:37	0.33	16.58	Flare starts and stops to maintain vacuum
4/24/17				16:39	16:58	0.31		Flare starts and stops to maintain vacuum
4/24/17				17:04	17:19	0.25		Flare starts and stops to maintain vacuum
4/24/17				17:23	17:42	0.31		Flare starts and stops to maintain vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
4/24/17				17:48	17:58	0.16		Flare starts and stops to maintain vacuum
4/24/17				18:03	18:15	0.36		Flare starts and stops to maintain vacuum
4/24/17				18:18		5.7		Flare starts and stops to maintain vacuum
4/25/17			0		6:05	6.08	14.22	Flare starts and stops to maintain vacuum
4/25/17				12:43	12:47	0.06		Flare starts and stops to maintain vacuum
4/25/17				12:51	13:02	0.18		Flare starts and stops to maintain vacuum
4/25/17				14:35	14:41	0.1		Flare starts and stops to maintain vacuum
4/25/17				14:56	15:10	0.23		Flare starts and stops to maintain vacuum
4/25/17				15:18	15:39	0.35		Flare starts and stops to maintain vacuum
4/25/17				15:49	18:36	2.78		Flare starts and stops to maintain vacuum
4/26/17				14:22	15:23	1.01	15.02	Flare starts and stops to maintain vacuum
4/26/17	15:25	16:14	0.81	15:25	16:19	0.9		Problem with PLC, Flare command not working
4/26/17				16:22	16:29	0.11		Flare starts and stops to maintain vacuum
4/26/17				17:02		6.96		Flare starts and stops to maintain vacuum
4/27/17			0		6:00	6.00	18.00	Flare starts and stops to maintain vacuum
4/28/17			0	10:24	11:16	0.86	23.14	Flare starts and stops to maintain vacuum
4/29/17			0			0	24.00	
4/30/17			0			0	24.00	
5/1/17			0			0	24.00	
5/2/17			0			0	24.00	
5/3/17			0			0	24.00	
5/4/17			0			0	24.00	
5/5/17			0	13:21	13:26	0.08	23.92	Flare starts and stops to maintain vacuum
5/6/17			0			0	24.00	
5/7/17			0			0	24.00	
5/8/17			0			0	24.00	
5/9/17			0			0	24.00	
5/10/17			0	19:57	20:30	0.55	23.45	Flare starts and stops to maintain vacuum
5/11/17			0			0	24.00	
5/12/17			0			0	24.00	
5/13/17			0			0	24.00	
5/14/17			0			0	24.00	
5/15/17			0			0	24.00	
5/16/17			0			0	24.00	

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
5/17/17	8:06	09:35	1.48	8:06	9:50	1.73	22.27	Power Failure
5/18/17			0			0	24.00	
5/19/17			0			0	24.00	
5/20/17			0	17:41	19:57	2.26	19.84	Flare starts and stops to maintain vacuum
5/20/17				20:28	21:36	1.13		Flare starts and stops to maintain vacuum
5/20/17				21:56	22:33	0.61		Flare starts and stops to maintain vacuum
5/20/17				22:50		0.16		Flare starts and stops to maintain vacuum
5/21/17			0		6:04	6.23	17.77	Flare starts and stops to maintain vacuum
5/22/17			0			0	24.00	
5/23/17				01:31	3:08	1.61	22.13	Flare starts and stops to maintain vacuum
5/23/17	12:15	12:57	0.7	12:58	13:14	0.26		Problems at Cummins
5/24/17			0			0	24.00	
5/25/17				12:58	13:03	0.08	22.48	Flare starts and stops to maintain vacuum
5/25/17				13:10	14:17	1.11		Flare starts and stops to maintain vacuum
5/25/17	14:30	14:40	0.16	14:42	15:02	0.33		Problems at Cummins
5/26/17			0	10:36	11:09	0.55	23.24	Problem with flare valve
5/26/17				11:11	11:12	0.01		Problem with flare valve
5/26/17				11:13	11:15	0.03		Problem with flare valve
5/26/17				11:16	11:18	0.03		Problem with flare valve
5/26/17				11:19	11:20	0.01		Problem with flare valve
5/26/17				11:22	11:27	0.08		Problem with flare valve
5/26/17				11:28	11:31	0.05		Problem with flare valve
5/27/17			0			0	24.00	
5/28/17			0			0	24.00	
5/29/17			0			0	24.00	
5/30/17			0			0	24.00	
5/31/17			0			0	24.00	
6/1/17			0			0	24.00	
6/2/17			0	6:17	6:25	0.13	23.87	Flare starts and stops to maintain vacuum
6/3/17			0			0	24.00	
6/4/17			0			0	24.00	
6/5/17			0			0	24.00	
6/6/17			0			0	24.00	
6/7/17	17:09	18:06	0.95	17:09	18:17	1.13	22.87	Delmarva scheduled a power outage

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
6/8/17			0			0	24.00	
6/9/17			0			0	24.00	
6/10/17			0			0	24.00	
6/11/17			0			0	24.00	
6/12/17			0	15:10	15:15	0.08	15.66	Flare starts and stops to maintain vacuum
6/12/17				15:16	15:21	0.08		Flare starts and stops to maintain vacuum
6/12/17				15:34	15:57	0.38		Flare starts and stops to maintain vacuum
6/12/17				16:12		7.8		Flare starts and stops to maintain vacuum
6/13/17					6:57	6.95	12.05	Flare starts and stops to maintain vacuum
6/13/17	16:48	21:33	4.75	16:48	21:48	5.00		Delmarva scheduled a power outage for repairs
6/14/17			0			0	24.00	
6/15/17			0			0	24.00	
6/16/17			0			0	24.00	
6/17/17			0	22:20		1.66	22.34	Flare starts and stops to maintain vacuum
6/18/17			0		3:47	3.78	15.42	Flare starts and stops to maintain vacuum
6/18/17				19:12		4.8		Flare starts and stops to maintain vacuum
6/19/17			0		7:46	7.6	16.40	Flare starts and stops to maintain vacuum
6/20/17			0	5:02	6:29	1.45	21.99	Flare starts and stops to maintain vacuum
6/20/17				9:53	10:27	0.56		Flare starts and stops to maintain vacuum
6/21/17			0			0	24.00	
6/22/17			0			0	24.00	
6/23/17			0			0	24.00	
6/24/17			0			0	24.00	
6/25/17			0			0	24.00	
6/26/17			0			0	24.00	
6/27/17			0			0	24.00	
6/28/17			0			0	24.00	
6/29/17			0			0	24.00	
6/30/17			0			0	24.00	

WELLHEAD MONITORING RESULTS
PRESSURE EXCEEDANCES (with passing read shown)
Cherry Island Landfill
JANUARY 1, 2017 THROUGH JUNE 30, 2017

Condition 3 - Table 1 (c)(1)(x)(C) Emission Unit 4

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
January							
CILFG005	1/4/2017 13:56	19.1	0.0	0.0	62		No Change
CILFG005	1/5/2017 10:34	16.5	0.2	-23.8	61	<1	Increased Vacuum
CILFG014	1/4/2017 8:43	44.1	0.0	0.0	53		No Change
CILFG014	1/5/2017 10:24	37.0	0.1	-3.8	81	1	No Change
CILFG094R	1/11/2017 13:12	57.6	0.0	0.1	124		Increased Vacuum
CILFG094R	1/11/2017 13:13	53.6	1.1	-11.3	124	<1	Re Check
CILFG207R	1/4/2017 8:40	57.8	0.0	1.7	126		No Change
CILFG207R	1/6/2017 10:31	57.9	0.6	-29.4	127	2	Re Check
CILFHC15	1/24/2017 10:41	57.8	0.3	2.3	46		Increased Vacuum
CILFHC15	1/24/2017 10:43	58.2	0.0	-0.9	45	<1	Re Check
CILFHC17	1/24/2017 10:47	57.6	0.3	0.7	46		Increased Vacuum
CILFHC17	1/24/2017 10:49	58.6	0.4	-1.1	47	<1	Re Check
February							
CILFG011	2/1/2017 8:40	14.5	0.0	0.1	40		Increased Vacuum
CILFG011	2/1/2017 8:42	14.7	0.0	-0.1	43	<1	Re Check
CILFG028	2/1/2017 9:04	47.6	0.2	0.1	40		Increased Vacuum
CILFG028	2/1/2017 9:04	47.6	0.2	-0.1	42	<1	Increased Vacuum
CILFG032	2/1/2017 9:12	1.7	2.3	0.1	53		Increased Vacuum
CILFG032	2/1/2017 9:14	4.4	1.2	-0.02	67	<1	Re Check
CILFG039	2/1/2017 9:34	21.2	0.7	0.0	65		Increased Vacuum
CILFG039	2/1/2017 9:38	20.5	0.7	-0.1	67	<1	Re Check
CILFG132	2/23/2017 10:10	31.6	8.9	-18.1	66		Decreased Vacuum
CILFG132	2/23/2017 10:12	38.9	6.9	-11.7	63		Decreased Vacuum
CILFG132	2/27/2017 11:57	60.5	0.2	0.2	62		Increased Vacuum
CILFG132	2/27/2017 11:58	58.7	1.3	-1.6	61	4	Re Check
CILFG134	2/20/2017 10:37	11.7	11.3	-0.3	74		Increased Vacuum
CILFG134	2/20/2017 10:38	5.9	12.2	-5.2	91		No Change
CILFG134	2/21/2017 14:56	4.8	12.4	-4.7	97		Decreased Vacuum
CILFG134	2/21/2017 14:58	4.7	12.4	0.1	87		Decreased Vacuum
CILFG134	2/23/2017 13:08	66.5	0.5	0.2	78		Increased Vacuum
CILFG134	2/23/2017 13:10	58.2	0.6	-0.02	78	3	Re Check
CILFG246R	2/21/2017 11:39	25.1	9.4	-11.0	78		Decreased Vacuum
CILFG246R	2/21/2017 11:40	7.4	17.4	-7.6	71		Decreased Vacuum
CILFG246R	2/23/2017 13:32	60.7	0.1	0.8	82		Increased Vacuum
CILFG246R	2/23/2017 13:34	54.8	0.0	-2.2	89	2	Re Check
CILFHC07	2/21/2017 9:21	14.9	15.6	-23.7	55		Decreased Vacuum
CILFHC07	2/21/2017 9:23	15.3	15.6	-22.4	51		Decreased Vacuum
CILFHC07	2/23/2017 13:26	27.8	9.9	-26.7	78		Decreased Vacuum
CILFHC07	2/23/2017 13:28	31.1	8.8	-21.7	78		Decreased Vacuum
CILFHC07	2/27/2017 11:16	35.7	7.5	-14.6	55		Decreased Vacuum
CILFHC07	2/27/2017 11:18	5.3	18.2	-3.0	54		Decreased Vacuum
CILFHC07	3/6/2017 13:50	58.0	0.0	2.7	63		Increased Vacuum
CILFHC07	3/6/2017 13:50	58.0	0.0	-1.1	61	13	Increased Vacuum

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
March							
CILFG008	3/27/2017 14:53	34.8	0.1	0.0	64		Increased Vacuum
CILFG008	3/27/2017 14:56	34.8	0.0	-0.1	65	<1	Re Check
CILFG025	3/29/2017 14:41	44.4	0.0	2.2	60		Increased Vacuum
CILFG025	3/29/2017 14:44	43.8	0.0	-3.1	63	<1	Re Check
CILFG032	3/29/2017 13:55	38.4	0.0	0.1	76		Increased Vacuum
CILFG032	3/29/2017 13:58	32.8	0.0	-0.1	81	<1	Re Check
CILFG094R	3/7/2017 14:30	57.7	0.1	0.2	121		Increased Vacuum
CILFG094R	3/7/2017 14:31	52.8	1.3	-2.2	121	<1	Re Check
CILFG096	3/21/2017 10:17	58.6	0.0	0.1	96		Increased Vacuum
CILFG096	3/21/2017 10:18	58.3	0.0	-0.9	100	<1	Re Check
CILFG140	3/6/2017 14:06	63.9	0.0	0.2	59		Increased Vacuum
CILFG140	3/6/2017 14:10	64.3	0.0	-3.2	57	<1	Re Check
CILFHC07	3/6/2017 13:50	58.0	0.0	2.7	63		Increased Vacuum
CILFHC07	3/6/2017 13:50	58.0	0.0	-1.1	61	<1	Increased Vacuum
CILFHC17	3/20/2017 13:44	58.0	0.0	0.5	56		Increased Vacuum
CILFHC17	3/20/2017 13:47	59.1	0.0	-0.2	56	<1	Re Check
April							
CILFG016	4/6/2017 8:34	39.9	0.1	0.1	56		Increased Vacuum
CILFG016	4/6/2017 8:37	39.8	0.0	-0.3	62	<1	Re Check
CILFG018	4/6/2017 8:41	31.2	0.1	0.0	47		Increased Vacuum
CILFG018	4/6/2017 8:43	31.3	0.0	-0.3	48	<1	Re Check
CILFG028	4/6/2017 9:19	44.7	0.5	0.1	48		Increased Vacuum
CILFG028	4/6/2017 9:21	43.7	0.0	-0.03	48	<1	Re Check
CILFG032	4/6/2017 9:12	38.8	0.0	0.1	71		Increased Vacuum
CILFG032	4/6/2017 9:14	38.7	0.0	-0.2	76	<1	Re Check
CILFG035	4/6/2017 9:29	60.6	0.1	0.2	48		Increased Vacuum
CILFG035	4/6/2017 9:31	59.5	0.0	-0.4	47	<1	Re Check
CILFG038	4/6/2017 9:05	63.8	0.4	0.1	53		Increased Vacuum
CILFG038	4/6/2017 9:08	64.1	0.0	-0.2	62	<1	Re Check
CILFG039	4/6/2017 8:59	52.0	0.1	0.0	63		Increased Vacuum
CILFG039	4/6/2017 9:02	52.0	0.0	-0.1	65	<1	Re Check
May							
CILFG022	5/9/2017 14:23	43.8	0.3	0.0	68		Increased Vacuum
CILFG022	5/9/2017 14:25	43.9	0.0	-0.1	69	<1	Re Check
CILFG062R	5/1/2017 8:55	66.1	0.0	19.6	60		Checking Gas Quality
CILFG062R	5/24/2017 11:33	66.4	0.0	-15.5	73	23	No Change
CILFG132	5/1/2017 13:28	55.8	0.2	3.6	80		Increased Vacuum
CILFG132	5/1/2017 13:30	55.0	0.2	3.0	79		No Change
CILFG132	5/1/2017 14:47	59.7	0.0	-31.3	81	<1	No Change
CILFG134	5/8/2017 13:00	67.5	0.1	0.1	62		Increased Vacuum
CILFG134	5/8/2017 13:02	67.6	0.0	-0.2	64	<1	Re Check
CILFG136	5/2/2017 14:29	59.1	0.1	0.1	89		Increased Vacuum
CILFG136	5/2/2017 14:32	59.1	0.0	-1.5	89	<1	Re Check
CILFG187	5/2/2017 10:44	61.1	0.1	0.1	74		Increased Vacuum
CILFG187	5/2/2017 10:46	61.4	0.0	-0.9	75	<1	Re Check
CILFG196	5/2/2017 9:46	59.7	0.1	0.1	97		Fully Open
CILFG196	5/3/2017 8:08	59.1	0.6	-34.4	95	<1	Re Check
CILFG259	5/1/2017 13:46	41.5	4.7	0.5	108		Increased Vacuum
CILFG259	5/1/2017 13:47	41.1	6.4	0.6	108		Increased Vacuum
CILFG259	5/1/2017 13:50	55.5	0.1	0.7	108		Fully Open
CILFG259	5/1/2017 13:50	55.5	0.1	0.7	108		No Change
CILFG259	5/1/2017 15:18	58.5	0.0	-35.1	109	<1	No Change

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFG290	5/1/2017 13:35	49.9	1.5	0.0	93		Increased Vacuum
CILFG290	5/1/2017 13:36	54.3	0.0	-0.1	93	<1	No Change
June							
CILFG094R	6/26/2017 10:00	57.0	0.1	0.5	123		Increased Vacuum
CILFG094R	6/26/2017 10:02	57.1	0.0	-0.9	123	<1	Re Check
CILFG187	6/26/2017 10:15	61.3	0.2	0.1	82		Increased Vacuum
CILFG187	6/26/2017 10:18	61.2	0.0	-0.5	82	<1	Re Check
CILFG191	6/15/2017 9:05	22.8	12.8	-30.6	80		Decreased Vacuum
CILFG191	6/15/2017 9:09	29.6	11.5	13.6	78		No Change
CILFG191	6/15/2017 9:12	54.8	3.2	22.7	79		Increased Vacuum
CILFG191	6/15/2017 9:14	58.3	1.4	-16.5	84	<1	Re Check
CILFG207R	6/7/2017 15:04	59.0	0.0	-25.6	134		Decreased Vacuum
CILFG207R	6/7/2017 15:07	59.2	0.0	-4.4	132		Decreased Vacuum
CILFG207R	6/12/2017 10:20	57.5	0.1	-9.9	134		Decreased Vacuum
CILFG207R	6/12/2017 10:30	57.9	0.0	0.9	130		Increased Vacuum
CILFG207R	6/12/2017 12:37	59.5	0.1	-0.1	132		Increased Vacuum
CILFG207R	6/12/2017 12:39	59.8	0.0	-6.0	134		Opened Fully
CILFG207R	6/19/2017 14:35	49.6	2.4	-32.6	136		Decreased Vacuum
CILFG207R	6/19/2017 14:38	49.7	2.0	-9.3	129	12	Re Check
CILFHC03	6/13/2017 8:41	22.5	0.7	0.1	85		Increased Vacuum
CILFHC03	6/13/2017 8:46	22.8	0.6	-0.5	85	<1	Re Check
CILFHC15	6/6/2017 10:06	58.5	0.1	0.0	72		Increased Vacuum
CILFHC15	6/6/2017 10:09	59.2	0.0	-0.5	72	<1	Re Check

SUMMARY OF PRESSURE EXCEEDANCES
JANUARY 1, 2017 THROUGH JUNE 30, 2017

Month	Number of Vertical Wells with Pressure Exceedances	Number of Horizontal Collectors with Pressure Exceedances
January	4	2
February	7	1
March	6	2
April	7	0
May	9	0
June	4	2

WELLHEAD MONITORING RESULTS
OXYGEN EXCEEDANCES (with passing read shown)
Cherry Island Landfill
JANUARY 1, 2017 THROUGH JUNE 30, 2017

Condition 3 - Table 1 (c)(1)(x)(C) Emission Unit 4

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
January							
CILFG002R2	1/4/2017 10:11	34.7	7.4	-10.1	111		Decreased Vacuum
CILFG002R2	1/4/2017 10:16	49.4	2.4	-0.1	105	<1	No Change
CILFG113	1/11/2017 12:55	37.6	6.2	-23.5	63		Increased Vacuum
CILFG113	1/11/2017 12:57	37.4	6.3	-23.7	63		Increased Vacuum
CILFG113	1/24/2017 8:41	27.6	12.0	-30.8	40		Increased Vacuum
CILFG113	1/24/2017 8:44	37.8	7.4	-35.5	40		Decreased Vacuum
CILFG113	1/25/2017 8:57	30.6	10.5	-27.8	46		Increased Vacuum
CILFG113	1/25/2017 9:00	34.3	9.1	-29.2	46		Decreased Vacuum
CILFG113	1/26/2017 13:19	22.8	13.1	-21.3	54		Decreased Vacuum
CILFG113	1/26/2017 13:28	11.8	16.9	-0.7	56	15	Decommissioning Well
CILFG135R	1/4/2017 13:02	38.5	6.9	-12.7	105		Decreased Vacuum
CILFG135R	1/4/2017 13:04	42.1	5.7	-3.0	103		Decreased Vacuum
CILFG135R	1/6/2017 14:15	56.4	1.9	-0.6	111	2	Re Check
CILFG168	1/5/2017 10:35	33.2	9.8	-8.5	34		Decreased Vacuum
CILFG168	1/5/2017 10:37	39.3	7.8	-11.7	33		Decreased Vacuum
CILFG168	1/11/2017 8:42	54.9	3.1	-8.1	51	6	No Change
CILFG189	1/17/2017 13:26	11.9	16.0	-2.0	46		Increased Vacuum
CILFG189	1/17/2017 13:27	55.0	1.2	-9.0	57	<1	Re Check
CILFHC01	1/27/2017 13:28	23.9	12.1	-25.3	45		Decreased Vacuum
CILFHC01	1/27/2017 13:29	31.3	9.1	-26.5	44		Decreased Vacuum
CILFHC01	1/30/2017 7:35	45.8	3.8	-22.0	32	3	No Change
CILFHV01	1/5/2017 9:27	23.4	12.5	-37.7	34		Decreased Vacuum
CILFHV01	1/5/2017 9:29	36.7	7.3	-37.4	32		Increased Vacuum
CILFHV01	1/11/2017 8:21	56.8	1.5	-32.7	49	6	Re Check
February							
CILFG093	2/21/2017 8:46	46.1	5.8	-23.5	82		Decreased Vacuum
CILFG093	2/21/2017 8:47	59.8	1.4	-13.9	82	<1	Re Check
CILFG094R	2/7/2017 9:08	24.7	11.7	-20.3	94		Decreased Vacuum
CILFG094R	2/7/2017 9:09	4.0	18.9	-3.7	84		Increased Vacuum
CILFG094R	2/13/2017 11:22	45.2	4.9	-1.4	112	6	Re Check
CILFG096	2/16/2017 14:15	38.6	5.8	-1.7	104		Decreased Vacuum
CILFG096	2/16/2017 14:17	47.6	3.7	-0.1	97	<1	Re Check
CILFG132	2/23/2017 10:10	31.6	8.9	-18.1	66		Decreased Vacuum
CILFG132	2/23/2017 10:12	38.9	6.9	-11.7	63		Decreased Vacuum
CILFG132	2/27/2017 11:57	60.5	0.2	0.2	62		Increased Vacuum
CILFG132	2/27/2017 11:58	58.7	1.3	-1.6	61	4	Re Check
CILFG134	2/20/2017 10:37	11.7	11.3	-0.3	74		Increased Vacuum
CILFG134	2/20/2017 10:38	5.9	12.2	-5.2	91		No Change
CILFG134	2/21/2017 14:56	4.8	12.4	-4.7	97		Decreased Vacuum
CILFG134	2/21/2017 14:58	4.7	12.4	0.1	87		Decreased Vacuum
CILFG134	2/23/2017 13:08	66.5	0.5	0.2	78		Increased Vacuum
CILFG134	2/23/2017 13:10	58.2	0.6	0.0	78	3	Re Check

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFG136	2/21/2017 8:57	22.3	8.8	-5.9	89		Decreased Vacuum
CILFG136	2/21/2017 8:59	36.4	6.1	-0.8	84		Decreased Vacuum
CILFG136	2/23/2017 13:37	54.6	0.6	-0.04	92	2	Re Check
CILFG157R	2/20/2017 11:10	25.5	6.9	-30.0	79		Decreased Vacuum
CILFG157R	2/20/2017 11:12	24.7	7.4	-26.5	79		No Change
CILFG157R	2/21/2017 15:02	24.2	7.1	-26.9	76		Decreased Vacuum
CILFG157R	2/21/2017 15:03	18.9	9.7	-12.5	69		Decreased Vacuum
CILFG157R	2/23/2017 13:18	32.8	5.0	-3.2	81		Decreased Vacuum
CILFG157R	2/23/2017 13:20	32.0	5.3	-2.8	81		Decreased Vacuum
CILFG157R	2/27/2017 10:58	28.0	8.7	-2.3	58		Increased Vacuum
CILFG157R	2/27/2017 11:00	38.5	4.6	-3.5	67	7	Re Check
CILFG189	2/16/2017 11:01	34.5	5.0	-10.8	66		Decreased Vacuum
CILFG189	2/16/2017 11:02	8.6	16.8	-4.4	49		Increased Vacuum
CILFG189	2/21/2017 15:17	17.1	7.1	-3.6	59		Decreased Vacuum
CILFG189	2/21/2017 15:19	17.1	6.9	-2.2	56		Decreased Vacuum
CILFG189	2/23/2017 13:43	5.6	15.1	-1.3	78		Decreased Vacuum
CILFG189	2/23/2017 13:44	8.4	13.2	-1.2	79		Increased Vacuum
CILFG189	2/27/2017 11:24	1.2	19.0	-1.6	55		Increased Vacuum
CILFG189	2/27/2017 11:26	13.9	8.3	-3.2	56		Increased Vacuum
CILFG189	2/28/2017 7:41	23.8	5.6	-8.4	66		Increased Vacuum
CILFG189	2/28/2017 7:42	30.4	3.7	-12.0	71	12	Re Check
CILFG213R	2/15/2017 9:59	30.2	7.0	-24.2	99		Decreased Vacuum
CILFG213R	2/15/2017 10:01	29.2	7.3	-6.9	99		Decreased Vacuum
CILFG213R	2/21/2017 15:24	28.6	4.8	-2.9	100	6	Re Check
CILFG246R	2/21/2017 11:39	25.1	9.4	-11.0	78		Decreased Vacuum
CILFG246R	2/21/2017 11:40	7.4	17.4	-7.6	71		Decreased Vacuum
CILFG246R	2/23/2017 13:32	60.7	0.1	0.8	82		Increased Vacuum
CILFG246R	2/23/2017 13:34	54.8	0.0	-2.2	89	2	Re Check
CILFG272	2/23/2017 10:04	34.5	5.7	-25.3	106		Decreased Vacuum
CILFG272	2/23/2017 10:06	22.4	7.5	-17.1	105		Decreased Vacuum
CILFG272	2/27/2017 11:52	39.0	3.5	-11.9	108	4	Re Check
CILFG276	2/13/2017 14:28	10.6	17.3	-23.6	43		Decreased Vacuum
CILFG276	2/13/2017 14:31	27.4	11.7	-16.9	45		Decreased Vacuum
CILFG276	2/21/2017 15:09	17.6	13.6	-11.7	57		Increased Vacuum
CILFG276	2/21/2017 15:11	20.5	12.7	-21.9	53		Decreased Vacuum
CILFG276	2/23/2017 13:49	15.3	13.7	-0.8	78		Decreased Vacuum
CILFG276	2/23/2017 13:51	18.3	12.4	-0.5	79		Decreased Vacuum
CILFG276	2/27/2017 10:38	6.4	17.0	-27.7	58		Increased Vacuum
CILFG276	2/27/2017 10:40	5.4	17.5	-29.0	57		Decreased Vacuum
CILFG276	2/28/2017 7:32	2.1	18.3	-1.4	53		Increased Vacuum
CILFG276	2/28/2017 7:34	2.0	18.4	-32.9	48	15	Decomissioning Well
CILFG292	2/21/2017 9:47	38.8	6.7	-17.7	49		Decreased Vacuum
CILFG292	2/21/2017 9:49	39.8	6.3	-10.5	48		Decreased Vacuum
CILFG292	2/23/2017 13:57	40.2	5.7	-16.0	77		Decreased Vacuum
CILFG292	2/23/2017 13:59	43.2	4.8	-2.7	76	2	Re Check
CILFHC01	2/21/2017 12:48	27.1	9.4	-32.8	59		Decreased Vacuum
CILFHC01	2/21/2017 12:50	28.9	8.6	-34.1	55		Decreased Vacuum
CILFHC01	2/27/2017 11:05	20.1	12.4	-33.1	53		Increased Vacuum
CILFHC01	2/27/2017 11:07	19.7	12.7	-34.0	53		Decreased Vacuum
CILFHC01	3/8/2017 11:57	57.1	0.4	-7.5	69	15	Re Check

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFHC03	2/23/2017 11:27	15.1	6.3	-0.5	64		Decreased Vacuum
CILFHC03	2/23/2017 11:30	15.0	6.0	-0.1	62		Decreased Vacuum
CILFHC03	2/27/2017 11:12	17.0	1.7	-0.1	50	4	Re Check
CILFHC06	2/21/2017 9:33	0.0	20.6	-8.1	50		Decreased Vacuum
CILFHC06	2/21/2017 9:34	51.6	3.3	-0.4	49	<1	Re Check
CILFHC07	2/21/2017 9:21	14.9	15.6	-23.7	55		Decreased Vacuum
CILFHC07	2/21/2017 9:23	15.3	15.6	-22.4	51		Decreased Vacuum
CILFHC07	2/23/2017 13:26	27.8	9.9	-26.7	78		Decreased Vacuum
CILFHC07	2/23/2017 13:28	31.1	8.8	-21.7	78		Decreased Vacuum
CILFHC07	2/27/2017 11:16	35.7	7.5	-14.6	55		Decreased Vacuum
CILFHC07	2/27/2017 11:18	5.3	18.2	-3.0	54		Decreased Vacuum
CILFHC07	3/6/2017 13:50	58.0	0.0	2.7	63		Increased Vacuum
CILFHC07	3/6/2017 13:50	58.0	0.0	-1.1	61	13	Increased Vacuum
CILFHC15	2/23/2017 10:20	10.4	11.5	-21.6	65		Decreased Vacuum
CILFHC15	2/23/2017 10:22	12.1	12.2	-5.4	63		Decreased Vacuum
CILFHC15	2/27/2017 11:45	38.7	4.3	-0.9	59	4	Re Check
CILFHC17	2/23/2017 9:58	0.0	19.7	-22.0	61		Decreased Vacuum
CILFHC17	2/23/2017 10:00	0.0	19.8	-7.6	59		Decreased Vacuum
CILFHC17	2/27/2017 11:49	45.6	4.9	-0.2	54	4	Re Check
CILFHV01	2/21/2017 10:14	28.5	10.6	-22.4	54		Decreased Vacuum
CILFHV01	2/21/2017 10:16	40.8	6.5	-22.3	54		Decreased Vacuum
CILFHV01	2/23/2017 14:04	31.7	8.6	-36.2	82		Decreased Vacuum
CILFHV01	2/23/2017 14:07	38.7	7.0	-35.9	85		Increased Vacuum
CILFHV01	2/27/2017 10:48	35.3	8.0	-38.0	57		Decreased Vacuum
CILFHV01	2/27/2017 10:51	33.7	8.2	-38.2	57		Decreased Vacuum
CILFHV01	3/6/2017 13:36	38.1	6.7	-31.9	68		Decreased Vacuum
CILFHV01	3/6/2017 13:38	33.7	8.6	-31.7	68		Increased Vacuum
CILFHV01	3/6/2017 13:40	39.6	6.8	-31.7	67		Increased Vacuum
CILFHV01	3/7/2017 14:10	35.3	7.4	-29.1	70		Decreased Vacuum
CILFHV01	3/7/2017 14:12	36.4	7.0	-29.8	70		Decreased Vacuum
CILFHV01	3/8/2017 8:03	60.4	0.3	-33.5	75	15	Re Check
March							
CILFG002R2	3/28/2017 13:17	40.0	6.2	-28.7	125		Decreased Vacuum
CILFG002R2	3/28/2017 13:21	39.7	6.2	-18.3	124		Decreased Vacuum
CILFG002R2	3/30/2017 9:07	47.1	3.9	-12.9	123	2	Re Check
CILFG180	3/6/2017 11:22	14.0	13.9	-28.6	62		Decreased Vacuum
CILFG180	3/6/2017 11:24	2.9	16.8	-3.0	59		Decreased Vacuum
CILFG180	3/20/2017 10:58	16.2	14.2	-37.3	72		Decreased Vacuum
CILFG180	3/20/2017 11:03	1.5	18.9	-5.7	63		Decreased Vacuum
CILFG180	3/21/2017 8:43	2.2	16.5	-0.5	48		Increased Vacuum
CILFG180	3/21/2017 8:46	10.6	13.6	-2.8	60		Increased Vacuum
CILFG180	3/21/2017 8:48	2.9	15.8	-3.1	62		Increased Vacuum
CILFG180	3/21/2017 8:50	15.2	10.9	-35.6	72	15	Decommissioning Well
CILFG228R	3/28/2017 12:58	36.8	6.8	-22.2	52		Decreased Vacuum
CILFG228R	3/28/2017 13:01	49.4	1.8	-27.7	52	<1	Re Check
CILFG246R	3/21/2017 15:57	27.4	9.1	-10.0	80		Decreased Vacuum
CILFG246R	3/21/2017 16:00	22.7	12.2	-38.3	76		Decreased Vacuum
CILFG246R	3/30/2017 8:43	35.7	7.3	-3.0	77		Increased Vacuum
CILFG246R	3/30/2017 8:45	38.1	5.7	-5.6	84		Increased Vacuum
CILFG246R	3/30/2017 8:49	39.9	4.9	-8.7	86	9	Re Check

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFG279	3/21/2017 11:16	42.4	6.3	-26.7	79		Decreased Vacuum
CILFG279	3/21/2017 11:19	39.6	7.7	-27.9	75		Decreased Vacuum
CILFG279	3/30/2017 8:55	47.4	4.4	-23.7	70	9	Re Check
CILFHB05	3/7/2017 13:18	30.0	7.5	-7.9	77		Decreased Vacuum
CILFHB05	3/7/2017 13:18	30.0	7.5	-6.9	75		Decreased Vacuum
CILFHB05	3/7/2017 13:19	3.8	17.3	-6.7	72		Decreased Vacuum
CILFHB05	3/13/2017 10:28	4.9	18.0	-7.3	52		Increased Vacuum
CILFHB05	3/13/2017 10:31	27.7	9.0	-8.4	62		Decreased Vacuum
CILFHB05	3/20/2017 10:42	37.0	7.1	-12.2	78		Increased Vacuum
CILFHB05	3/20/2017 10:45	39.5	6.0	-13.0	80		Increased Vacuum
CILFHB05	3/20/2017 10:51	42.5	5.0	-15.4	82		Increased Vacuum
CILFHB05	3/21/2017 8:57	42.7	5.1	-17.9	83		Increased Vacuum
CILFHB05	3/21/2017 8:59	45.9	3.9	-23.0	85	14	Re Check
CILFHC06	3/21/2017 11:38	25.4	12.9	-5.4	49		Decreased Vacuum
CILFHC06	3/21/2017 11:41	59.1	0.5	-1.5	50	<1	Re Check
CILFHV02	3/20/2017 11:42	42.6	5.7	-32.6	58		Decreased Vacuum
CILFHV02	3/20/2017 11:46	39.6	6.8	-32.7	55		Increased Vacuum
CILFHV02	3/30/2017 9:23	28.6	11.6	-32.0	47		Increased Vacuum
CILFHV02	3/30/2017 9:27	27.9	11.6	-32.3	47		Decreased Vacuum
CILFHV02	4/3/2017 11:27	49.0	3.2	-32.3	70	14	Re Check
April							
CILFG063	4/13/2017 11:39	19.3	11.6	-1.6	68		Decreased Vacuum
CILFG063	4/13/2017 11:42	42.6	4.9	-0.2	68	<1	Re Check
CILFG134	4/5/2017 13:26	15.3	12.0	-1.1	77		Decreased Vacuum
CILFG134	4/5/2017 13:28	15.7	11.9	-0.2	75		Decreased Vacuum
CILFG134	4/10/2017 11:04	61.8	1.3	-0.2	73	5	Re Check
CILFG136	4/4/2017 14:20	28.7	6.8	-4.7	91		Decreased Vacuum
CILFG136	4/4/2017 14:22	45.5	3.1	-0.7	90	<1	Re Check
CILFG139	4/5/2017 15:25	27.9	12.4	-33.4	77		Decreased Vacuum
CILFG139	4/5/2017 15:33	50.8	4.9	-37.7	78	<1	Re Check
CILFG152	4/3/2017 15:11	40.7	6.0	-19.0	69		Decreased Vacuum
CILFG152	4/3/2017 15:12	43.6	4.9	-17.7	69	<1	No Change
CILFG241	4/5/2017 11:59	37.0	5.7	-32.4	77		Decreased Vacuum
CILFG241	4/5/2017 12:02	30.2	8.1	-19.6	78		Decreased Vacuum
CILFG241	4/10/2017 11:14	31.0	6.5	-26.1	74		Increased Vacuum
CILFG241	4/10/2017 11:16	43.4	3.5	-34.2	74	5	Re Check
CILFG246R	4/5/2017 10:00	25.7	9.7	-20.5	80		Decreased Vacuum
CILFG246R	4/5/2017 10:03	16.0	14.7	-16.1	77		Decreased Vacuum
CILFG246R	4/10/2017 10:36	31.0	7.8	-5.4	82		Increased Vacuum
CILFG246R	4/10/2017 10:41	34.7	6.1	-8.3	85		Increased Vacuum
CILFG246R	4/13/2017 12:05	24.8	8.0	-32.6	81		Decreased Vacuum
CILFG246R	4/13/2017 12:07	0.1	18.7	-20.0	69		Increased Vacuum
CILFG246R	4/13/2017 12:09	11.5	14.6	-19.8	75		Increased Vacuum
CILFG246R	4/18/2017 7:35	24.6	9.4	-13.8	81		Increased Vacuum
CILFG246R	4/18/2017 7:39	29.9	6.3	-21.4	85		Increased Vacuum
CILFG246R	4/18/2017 7:45	29.7	6.6	-28.2	85		Decreased Vacuum
CILFG246R	4/19/2017 8:09	30.0	8.0	-6.0	81		Increased Vacuum
CILFG246R	4/19/2017 8:17	32.4	6.0	-10.1	85		Decreased Vacuum
CILFG246R	4/19/2017 8:20	30.9	6.8	-9.1	85		Decreased Vacuum
CILFG246R	4/20/2017 12:39	39.0	7.4	-30.6	93		Decreased Vacuum
CILFG246R	4/20/2017 12:43	38.4	6.0	-18.1	92	15	Decomissioning Well

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFG279	4/4/2017 14:30	41.0	6.8	-20.4	90		Decreased Vacuum
CILFG279	4/4/2017 14:33	37.3	7.8	-14.3	88		Increased Vacuum
CILFG279	4/10/2017 10:45	46.7	4.7	-24.3	83	6	Re Check
CILFHB05	4/4/2017 9:33	41.5	5.1	-18.9	85		Decreased Vacuum
CILFHB05	4/4/2017 9:36	37.6	6.5	-14.6	83		Decreased Vacuum
CILFHB05	4/10/2017 10:52	27.8	10.1	-15.7	77		Decreased Vacuum
CILFHB05	4/10/2017 10:55	0.0	21.5	-11.8	69		Decreased Vacuum
CILFHB05	4/13/2017 13:31	0.1	19.1	-7.8	68		Increased Vacuum
CILFHB05	4/13/2017 13:34	16.6	13.3	-9.9	69		Increased Vacuum
CILFHB05	4/18/2017 7:52	17.0	14.4	-12.2	72		Increased Vacuum
CILFHB05	4/18/2017 7:56	39.0	6.0	-22.8	84		Increased Vacuum
CILFHB05	4/18/2017 8:00	40.1	5.7	-26.3	85		Increased Vacuum
CILFHB05	4/19/2017 8:32	35.2	7.2	-27.1	85		Decreased Vacuum
CILFHB05	4/19/2017 8:34	31.8	8.3	-23.0	84	15	Decomissioning Well
CILFHC06	4/4/2017 15:17	24.3	12.3	-6.1	80		Decreased Vacuum
CILFHC06	4/4/2017 15:20	19.8	13.8	-5.8	79		Increased Vacuum
CILFHC06	4/10/2017 10:29	52.5	2.4	-2.5	67	6	Re Check
CILFHC09	4/4/2017 14:46	30.2	7.2	-25.4	76		Decreased Vacuum
CILFHC09	4/4/2017 14:49	20.4	12.1	-25.4	75		Decreased Vacuum
CILFHC09	4/10/2017 10:24	32.2	4.8	-26.5	67	6	Re Check
CILFHC18	4/3/2017 13:00	35.7	6.4	-10.3	95		Decreased Vacuum
CILFHC18	4/3/2017 13:03	40.3	4.9	-6.4	91	<1	No Change
May							
CILFG109	5/2/2017 11:06	36.1	5.9	-7.6	72		Decreased Vacuum
CILFG109	5/2/2017 11:31	6.7	18.3	-7.0	74		Increased Vacuum
CILFG109	5/2/2017 11:34	36.8	4.9	-11.9	72	<1	Re Check
CILFG259	5/1/2017 13:46	41.5	4.7	0.5	108		Increased Vacuum
CILFG259	5/1/2017 13:47	41.1	6.4	0.6	108		Increased Vacuum
CILFG259	5/1/2017 13:50	55.5	0.1	0.7	108		Fully Open
CILFG259	5/1/2017 13:50	55.5	0.1	0.7	108		No Change
CILFG259	5/1/2017 15:18	58.5	0.0	-35.1	109	<1	No Change
CILFG292	5/3/2017 8:49	40.3	5.3	-21.1	63		Decreased Vacuum
CILFG292	5/3/2017 8:51	43.5	4.3	-18.6	63	<1	Re Check
CILFHC06	5/3/2017 8:32	29.9	10.3	-3.1	62		Decreased Vacuum
CILFHC06	5/3/2017 8:35	42.1	5.6	-1.8	63		Decreased Vacuum
CILFHC06	5/8/2017 11:18	58.7	0.7	-0.7	60	5	Re Check
CILFHC15	5/1/2017 15:12	21.1	11.0	-5.9	108		Increased Vacuum
CILFHC15	5/1/2017 15:14	42.3	4.9	-5.3	104	<1	No Change
June							
CILFG087	6/15/2017 8:55	20.8	9.0	-18.5	96		Decreased Vacuum
CILFG087	6/15/2017 8:58	28.7	7.1	-2.8	97		Decreased Vacuum
CILFG087	6/19/2017 14:52	41.3	1.9	-2.7	107	4	Re Check

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFG109	6/20/2017 13:39	15.1	12.0	-13.7	93		No Change
CILFG109	6/20/2017 13:42	25.4	8.7	-13.5	93		Increased Vacuum
CILFG109	6/20/2017 13:44	31.7	6.6	-15.1	90		Increased Vacuum
CILFG109	6/26/2017 10:59	22.7	9.0	-19.8	84		Decreased Vacuum
CILFG109	6/26/2017 11:01	1.4	16.1	-17.4	85		Decreased Vacuum
CILFG109	6/30/2017 8:35	27.3	7.3	-5.4	84		Decreased Vacuum
CILFG109	6/30/2017 8:37	0.1	20.2	-3.7	88		Increased Vacuum
CILFG109	6/30/2017 8:39	36.9	4.7	-8.3	83	10	Re Check
CILFG134	6/20/2017 9:35	3.4	13.2	-8.9	101		Decreased Vacuum
CILFG134	6/20/2017 9:38	16.4	10.7	-0.4	96		Decreased Vacuum
CILFG134	6/26/2017 10:51	19.7	4.9	-0.3	95	6	Re Check
CILFG191	6/15/2017 9:05	22.8	12.8	-30.6	80		Decreased Vacuum
CILFG191	6/15/2017 9:09	29.6	11.5	13.6	78		No Change
CILFG191	6/15/2017 9:12	54.8	3.2	22.7	79		Increased Vacuum
CILFG191	6/15/2017 9:14	58.3	1.4	-16.5	84	<1	Re Check
CILFG213R	6/6/2017 11:25	31.7	6.9	-1.1	90		Increased Vacuum
CILFG213R	6/6/2017 11:30	30.3	7.3	-4.7	98		Decreased Vacuum
CILFG213R	6/12/2017 10:04	10.3	17.1	-1.0	96		Increased Vacuum
CILFG213R	6/12/2017 10:07	23.8	9.3	-2.3	98		Increased Vacuum
CILFG213R	6/19/2017 14:44	16.8	12.7	-2.1	104		Increased Vacuum
CILFG213R	6/19/2017 14:47	17.0	12.6	-11.7	104		Decreased Vacuum
CILFG213R	6/20/2017 14:53	21.5	10.6	-0.6	95		Increased Vacuum
CILFG213R	6/20/2017 14:56	20.4	11.0	-16.9	106		Increased Vacuum
CILFG213R	6/20/2017 15:00	21.1	10.9	-34.4	106		Decreased Vacuum
CILFG213R	6/21/2017 9:24	8.8	15.6	-4.6	97		Decreased Vacuum
CILFG213R	6/21/2017 9:27	7.9	15.6	-2.2	96		Decreased Vacuum
CILFG213R	6/21/2017 9:30	8.6	14.5	-1.9	92	15	Decommissioning Well
CILFG289	6/6/2017 10:34	7.7	17.7	-10.6	76		Increased Vacuum
CILFG289	6/6/2017 10:36	50.6	0.1	-13.8	94	<1	Re Check
CILFHC18	6/6/2017 8:54	33.1	6.6	-26.1	102		Decreased Vacuum
CILFHC18	6/6/2017 8:59	33.2	6.4	-24.8	102		Decreased Vacuum
CILFHC18	6/12/2017 9:54	36.4	4.6	-26.1	111	6	Re Check

WELLHEAD MONITORING RESULTS
TEMPERATURE EXCEEDANCES (with passing read shown)
Cherry Island Landfill
JANUARY 1, 2017 THROUGH JUNE 30, 2017

Condition 3 - Table 1 (c)(1)(x)(C) Emission Unit 4

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
January							
CILFG299	1/27/2017 10:40	56.6	0.0	-5.8	131		Increased Vacuum
CILFG299	2/7/2017 8:13	53.8	0.6	-16.9	125	11	Increased Vacuum
CILFG302	1/27/2017 13:04	55.7	0.3	-5.4	139		Increased Vacuum
CILFG302	1/27/2017 13:05	55.7	0.0	-7.2	139		Increased Vacuum
CILFG302	1/31/2017 7:59	56.3	0.5	-16.9	136		Increased Vacuum
CILFG302	1/31/2017 8:01	56.2	0.4	-20.2	135		Opened Fully
CILFG302	2/3/2017 13:21	56.2	0.7	-11.3	135		Fully Open
CILFG302	2/7/2017 8:27	56.4	0.1	-7.6	135		Fully Open
CILFG302	2/8/2017 14:32	56.7	0.6	-20.9	137		Fully Open
CILFG302	2/10/2017 8:05	57.3	0.5	-20.5	117	14	Re Check
CILFG310	1/27/2017 10:53	54.1	0.2	-1.9	132		Increased Vacuum
CILFG310	1/27/2017 10:56	54.2	0.0	-19.2	132		Increased Vacuum
CILFG310	1/31/2017 7:53	56.4	0.4	-30.1	125	4	Increased Vacuum
February							
CILFG202R	2/3/2017 13:00	56.6	0.4	-7.9	131		Increased Vacuum
CILFG202R	2/3/2017 13:02	56.9	0.0	-28.2	131		Increased Vacuum
CILFG202R	2/7/2017 8:18	57.4	0.2	-23.6	131		Opened Fully
CILFG202R	2/10/2017 8:10	57.3	0.1	-14.9	131		Fully Open
CILFG202R	2/13/2017 11:15	57.2	0.2	-24.0	131		Fully Open
CILFG202R	2/16/2017 13:34	56.6	0.3	-20.7	131		Re Check
CILFG202R	2/17/2017 9:54	57.3	0.2	-17.9	131		Fully Open
CILFG202R	2/17/2017 14:18	57.7	0.1	-11.2	131		Failed 15-day
CILFG202R	2/20/2017 12:56	58.0	0.3	-18.0	131		Expanded System
CILFG202R	2/21/2017 14:41	57.6	0.4	-21.7	129	18	Fully Open
March							
CILFG302	3/28/2017 13:40	57.0	0.3	-24.9	135		Opened Fully
CILFG302	3/29/2017 15:19	54.9	0.1	-23.1	135		Increased Vacuum
CILFG302	3/29/2017 15:21	55.1	0.0	-24.1	135		Opened Fully
CILFG302	3/30/2017 9:01	55.9	0.4	-25.7	135		Fully Open
CILFG302	4/3/2017 11:16	56.0	0.4	-25.8	134		Fully Open
CILFG302	4/4/2017 11:06	57.0	0.3	-25.8	135		Fully Open
CILFG302	4/10/2017 10:14	57.8	0.2	-24.1	135		Decreased Vacuum
CILFG302	4/10/2017 10:17	57.9	0.0	-11.7	129	13	Re Check
April							
No exceedances this month.							

May							
CILFG202R	5/1/2017 14:23	59.6	0.0	-7.6	133		Decreased Vacuum
CILFG202R	5/1/2017 14:26	59.5	0.0	-2.5	133		Increased Vacuum
CILFG202R	5/4/2017 12:41	59.6	0.2	-29.7	133		Increased Vacuum
CILFG202R	5/4/2017 12:43	59.7	0.1	-29.9	133		Opened Fully
CILFG202R	5/8/2017 10:54	57.9	0.3	-25.2	128	7	Re Check
CILFG207R	5/4/2017 13:19	49.2	1.9	-31.1	135		Decreased Vacuum
CILFG207R	5/4/2017 13:22	49.0	1.7	-10.5	129	<1	Re Check
CILFG302	5/4/2017 15:13	58.1	0.1	-20.1	138		Decreased Vacuum
CILFG302	5/4/2017 15:15	58.0	0.0	-20.8	138		Opened Fully
CILFG302	5/8/2017 11:01	57.0	0.3	-25.1	134		Decreased Vacuum
CILFG302	5/8/2017 11:04	56.9	0.0	-14.2	126	4	Re Check
June							
CILFG207R	6/7/2017 15:04	59.0	0.0	-25.6	134		Decreased Vacuum
CILFG207R	6/7/2017 15:07	59.2	0.0	-4.4	132		Decreased Vacuum
CILFG207R	6/12/2017 10:20	57.5	0.1	-9.9	134		Decreased Vacuum
CILFG207R	6/12/2017 10:30	57.9	0.0	0.9	130		Increased Vacuum
CILFG207R	6/12/2017 12:37	59.5	0.1	-0.1	132		Increased Vacuum
CILFG207R	6/12/2017 12:39	59.8	0.0	-6.0	134		Opened Fully
CILFG207R	6/19/2017 14:35	49.6	2.4	-32.6	136		Decreased Vacuum
CILFG207R	6/19/2017 14:38	49.7	2.0	-9.3	129	12	Re Check
CILFG302	6/7/2017 14:26	56.9	0.3	-23.0	138		Increased Vacuum
CILFG302	6/7/2017 14:30	56.9	0.0	-25.3	138		Opened Fully
CILFG302	6/12/2017 12:50	57.5	0.3	-27.5	136		Decreased Vacuum
CILFG302	6/12/2017 12:53	58.0	0.0	-12.6	128	5	Re Check

SUMMARY OF OXYGEN AND TEMPERATURE EXCEEDANCES
JANUARY 1, 2017 THROUGH JUNE 30, 2017

Oxygen

Month	Number of Vertical Gas Wells with Oxygen Exceedances	Number of Horizontal Collectors with Oxygen Exceedances
January	5	2
February	13	7
March	5	3
April	8	4
May	3	2
June	6	1

Temperature

Month	Number of Vertical Wells with Temperature Exceedances	Number of Horizontal Collectors with Temperature Exceedances
January	3	0
February	1	0
March	1	0
April	0	0
May	3	0
June	2	0

QUARTERLY SURFACE EMISSION MONITORING EXCEEDANCES
Cherry Island Landfill
JANUARY 1, 2017 THROUGH JUNE 30, 2017

Condition 3 - Table 1 (c)(1)(x)(C) Emission Unit 4
Jan through Mar 2017 --- First Quarter Monitoring

Original Recording			10-Day Re-Monitoring Event			20-Day Re-Monitoring Event			1 Month Re-Monitoring Event			1 Month+10 Days Re-Monitoring Event		
Location	**Reading**	**Date**	**Corrective Action**	**Reading**	**Date**	**Corrective Action**	**Reading**	**Date**	**Corrective Action**	**Reading**	**Date**	**Corrective Action**	**Reading**	**Date**
CILFG002R2	7015	01/10/17	Increased Vacuum on Well	108.8	01/20/17	N/A				0.2	02/10/17			
CILFG013 - LAT	592	02/01/17	Repaired Cover	15.3	02/10/17	N/A				4.07	03/03/17			
CILFG092	3864	02/14/17	Connected Vacuum to Well	25.4	02/24/17	N/A				60.42	03/17/17			
CILFG095	7222	01/18/17	Connected Vacuum to Well	17.4	01/27/17	N/A				28.6	02/21/17			
CILFG097	2063	01/31/17	Repaired Cover	0.0	02/10/17	N/A				3.27	03/03/17			
CILFG104	893	01/31/17	Repaired Cover	8.7	02/10/17	N/A				0.85	03/03/17			
CILFG108R	11400	01/18/17	Repaired Cover	0.0	01/27/17	N/A				0.9	02/21/17			
CILFG122R	1028	01/10/17	Increased Vacuum on Well	58.0	01/20/17	N/A				0.0	02/10/17			
CILFG132	1305	02/14/17	Adjusted Vacuum to adjacent wells	392.3	02/24/17	N/A				16.00	03/17/17			
CILFG136	3154	01/31/17	Repaired Cover	0.0	02/10/17	N/A				0.42	03/03/17			
CILFG138	3164	02/14/17	Adjusted Vacuum to adjacent wells	3791	02/24/17	Added Additional Cover	37.7	3/6/17		173	03/17/17			
CILFG152	1598	01/18/17	Repaired Cover	0.0	01/27/17	N/A				14.9	02/21/17			
CILFG156R2	8025	01/10/17	Increased Vacuum on Well	2171	01/20/17	Repaired Cover	0.0	1/27/17		0.5	02/10/17			
CILFG159R	1473	02/08/17	Repaired Cover	368.9	02/17/17	N/A				460.8	03/13/17			
CILFG179	903	01/31/17	Repaired Cover	6.7	02/10/17	N/A				10.63	03/03/17			
CILFG180	1381	02/14/17	Repaired Cover	1734	02/24/17	Added Additional Cover, Connected Vacuum to Well	9.2	3/6/17		12.06	03/17/17			
CILFG191	3631	01/18/17	Repaired Cover	52.1	01/27/17	N/A				30.6	02/21/17			

CILFG203	2097	02/14/17	Adjusted Vacuum to adjacent wells	7.3	02/24/17	N/A				161	03/17/17			
CILFG221	1965	01/18/17	Repaired Cover	0.0	01/27/17	N/A				2.1	02/21/17			
CILFG222	783	01/18/17	Repaired Cover	0.0	01/27/17	N/A				5.3	02/21/17			
CILFG223	1409	02/14/17	Repaired Cover	1172	02/24/17	Added Additional Cover, Connected Vacuum to Well	10.9	3/6/17		8.61	03/17/17			
CILFG224	7285	01/18/17	Repaired Cover	0.0	01/27/17	N/A				116.8	02/21/17			
CILFG234	12700	02/14/17	Built Berm	5556	02/24/17	Fixed Berm, Repaired Cover	101.4	3/6/17		329	03/17/17			
CILFG241	13900	01/10/17	Increased Vacuum on Well	0.0	01/20/17	N/A				0.0	02/10/17			
CILFG242	3930	02/14/17	Adjusted Vacuum to adjacent wells	103.2	02/24/17	N/A				167	03/17/17			
CILFG259	1243	02/14/17	Adjusted Vacuum to adjacent wells	10.4	02/24/17	N/A				79.04	03/17/17			
CILFG269	1235	02/14/17	Repaired Cover	266.7	02/24/17	N/A				433	03/17/17			
CILFG270	1550	02/14/17	Repaired Cover	46.3	02/24/17	N/A				30.96	03/17/17			
CILFG273	5940	01/10/17	Increased Vacuum on Well	0.0	01/20/17	N/A				0.0	02/10/17			
CILFG274	3350	01/10/17	Increased Vacuum on Well	8477	01/20/17	Repaired Cover	0.0	1/27/17		15.2	02/10/17			
CILFG276	898	01/10/17	Increased Vacuum on Well	0.0	01/20/17	N/A				0.0	02/10/17			
CILFG283	920	01/18/17	Repaired Cover	0.0	01/27/17	N/A				9.2	02/21/17			
CILFG307	1178	02/14/17	Connected Vacuum to Well	37.5	02/24/17	N/A				12.21	03/17/17			
CILFG313	2734	01/31/17	Repaired Cover	115.8	02/10/17	N/A				26.91	03/03/17			
CILFG317	1617	02/08/17	Repaired Cover	181.3	02/17/17	N/A				359.2	03/13/17			
CILFHA09	944	01/31/17	Repaired Cover	0.0	02/10/17	N/A				56.91	03/03/17			
CILFHA10	3807	01/31/17	Repaired Cover	79.5	02/10/17	N/A				38.72	03/03/17			
CILFHB01	2088	01/31/17	Repaired Cover	0.0	02/10/17	N/A				0.39	03/03/17			
CILFHB02	1446	01/31/17	Repaired Cover	45.3	02/10/17	N/A				108	03/03/17			

CILFHC12	8566	01/18/17	Repaired Cover	0.0	01/27/17	N/A				7.2	02/21/17			
CILFHC14	2169	01/18/17	Repaired Cover	87.0	01/27/17	N/A				58.3	02/21/17			
CILFHC16	725	01/10/17	Excavated, added bentonite, tamped	140.6	01/20/17	N/A				0.0	02/10/17			
CILFHC17	5867	01/10/17	Increased Vacuum on Well	17154	01/20/17	Repaired Cover	0.0	1/27/17		0.0	02/10/17			
CILFHC18	940	01/10/17	Increased Vacuum on Well	0.0	01/20/17	N/A				0.0	02/10/17			
MH_V5	3283	02/08/17	Replace Lid with a Sealing Lid	27.5	02/17/17	N/A				42.7	03/13/17			
MH_V5A	5764	02/08/17	Replace Lid with a Sealing Lid	24.1	02/17/17	N/A				36.9	03/13/17			
MH02	1130	02/01/17	Refoamed Lid	986.0	02/10/17	Repaired Cover	426.5	2/17/17		139	03/03/17			
Path Point 1023	1268	01/31/17	Repaired Cover	18.7	02/10/17	N/A				7.14	03/03/17			
Path Point 1026	2018	01/31/17	Repaired Cover	0.0	02/10/17	N/A				5.09	03/03/17			
Path Point 763	904	01/31/17	Repaired Cover	0.0	02/10/17	N/A				0.19	03/03/17			
Path Point 882	837	01/31/17	Repaired Cover	0.55	02/08/17	N/A				1.09	03/03/17			
Path Point 884	2010	01/31/17	Repaired Cover	2.94	02/08/17	N/A				2.11	03/03/17			
Path Point 889	819	01/31/17	Repaired Cover	21.29	02/08/17	N/A				0.67	03/03/17			
Path Point 902	2661	01/31/17	Repaired Cover	187.6	02/10/17	N/A				10.02	03/03/17			
Path Point 928	2174	01/31/17	Repaired Cover	91.2	02/10/17	N/A				3.03	03/03/17			
Path Point 946	807	01/31/17	Repaired Cover	3.96	02/08/17	N/A				2.01	03/03/17			
Path Point 991	1898	01/31/17	Repaired Cover	117.6	02/10/17	N/A				0.06	03/03/17			
T-26 Drain	1658	01/31/17	Repaired Cover	12.1	02/10/17	N/A				4.01	03/03/17			

Total Exceedances: 58
Total Points Monitored: 1,514

Apr through Jun 2017 --- Second Quarter Monitoring

Original Recording			10-Day Re-Monitoring Event			20-Day Re-Monitoring Event			1 Month Re-Monitoring Event			1 Month+10 Days Re-Monitoring Event		
Location	**Reading**	**Date**	**Corrective Action**	**Reading**	**Date**	**Corrective Action**	**Reading**	**Date**	**Corrective Action**	**Reading**	**Date**	**Corrective Action**	**Reading**	**Date**
CILFG091	853	04/18/17	Excavated, added bentonite and soil, tamped	23.85	04/27/17	N/A				19.50	05/19/17			
CILFG092	1815	04/11/17	Excavated, added bentonite and soil, tamped	296	04/20/17	N/A				435	05/11/17			
CILFG095	1994	04/18/17	Excavated, added bentonite and soil, tamped; built berm	90.03	04/27/17	N/A				185	05/19/17			
CILFG207	824	04/11/17	Repaired cover	4.78	04/20/17	N/A				30.99	05/11/17			
CILFG237	2402	04/11/17	Excavated, added bentonite and soil, tamped	308	04/20/17	N/A				16.75	05/11/17			
CILFHC01	791	04/11/17	Repaired cover	73.50	04/20/17	N/A				112	05/11/17			
MH01	7463	04/19/17	Repaired cover at base	1.89	04/27/17	N/A				0.06	05/19/17			
MH07	1278	04/19/17	Added bentonite and soil, tamped	1.21	04/27/17	N/A				0.47	05/19/17			
MH07 U1	1010	04/19/17	Added bentonite and soil, tamped	5.59	04/27/17	N/A				1.16	05/19/17			
MH07 U2	555	04/19/17	Added bentonite and soil, tamped	7.27	04/27/17	N/A				0.38	05/19/17			
MH07 Wellhead	744	04/19/17	Added bentonite and soil, tamped	1.32	04/27/17	N/A				0.40	05/19/17			
MH18	3920	04/11/17	Repaired cover	5877	04/20/17	Repaired cover	137	4/27/17		11300	05/11/17	required system expansion - repaired seal with mastic	48.66	05/26/17
MH19	5128	04/18/17	Repaired cover at base	12.18	04/20/17	N/A				1034	05/19/17	Added layer of mastik sealer between manhole rings	51.72	05/26/17
MH-V2	906	04/18/17	Repaired cover	362	04/20/17	N/A				230	05/19/17			
Path Point 1009	49305	04/26/17	Repaired cover	21.91	05/04/17	N/A				24.67	05/26/17			
Path Point 984	3991	04/26/17	Repaired cover	12.20	05/04/17	N/A				3.94	05/26/17			
Path Point 985	881	04/26/17	Repaired cover	18.01	05/04/17	N/A				121	05/26/17			

Path Point 991	37282	04/26/17	Repaired cover	5.65	05/04/17	N/A				43.09	05/26/17			
T-44 Drain	1987	04/11/17	Connected vacuum to drain, repaired cover at base	375	04/20/17	N/A				45.75	05/11/17			

Total Exceedances: 19
Total Points Monitored: 1,541

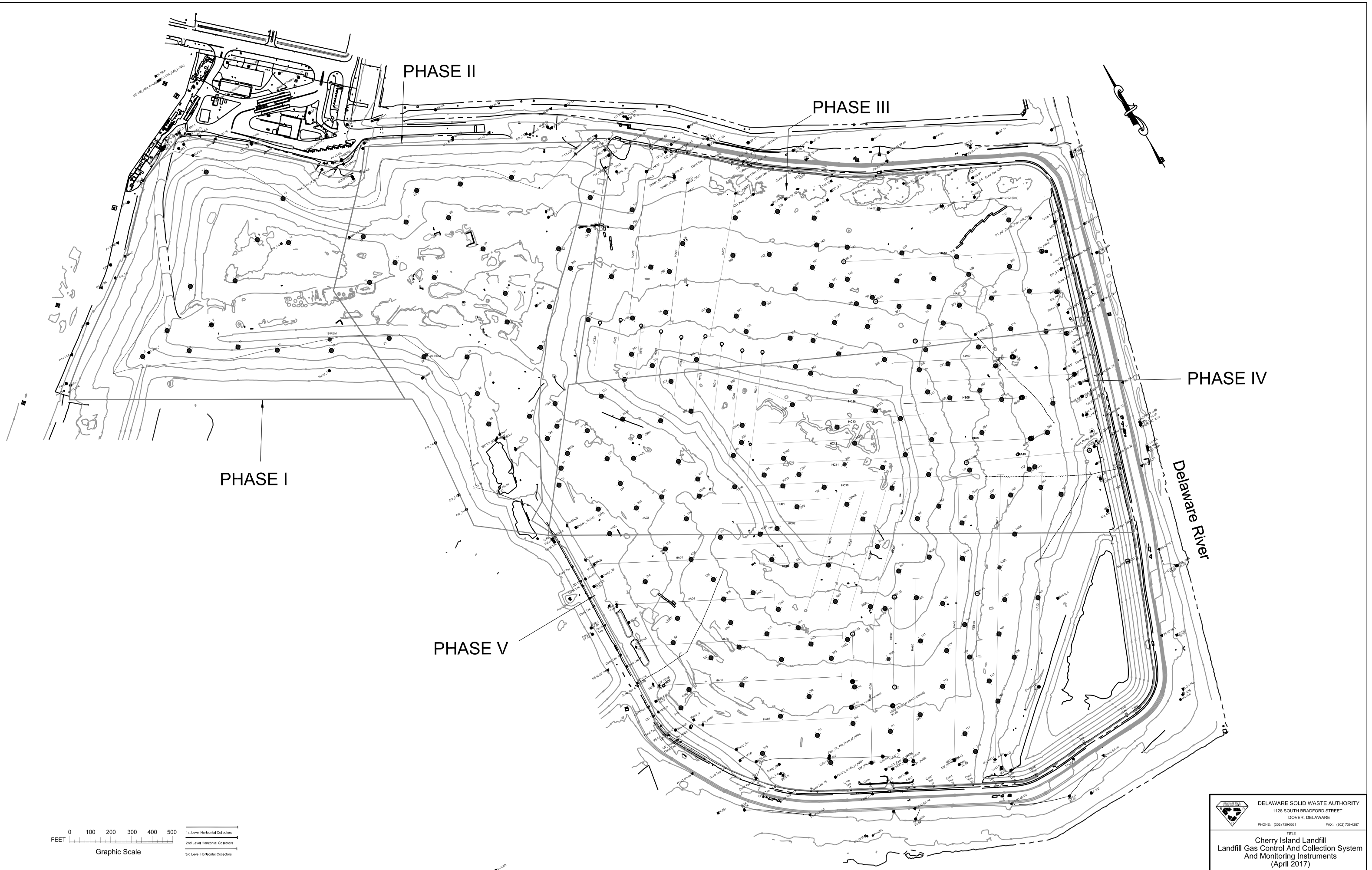
Notes:

GW=Gas Extraction Well

All readings in parts per million by volume (PPM)

WELL COMMISSIONING LOG
Cherry Island Landfill
JANUARY 1, 2017 THROUGH JUNE 31, 2017

Gas Well	New Gas Well	Phase	Approximate Drill Depth	Date Drilled	Date "R" well brought online	Date Original was Decom.
2R	2R2	IV	95	11/21/16	11/28/16	12/26/16
66R	66R2	V	41	12/09/16	01/06/17	02/10/17
82	82R	V	50	12/06/16	12/07/16	12/28/16
89	89R	V	58	12/08/16	12/15/16	12/26/16
97	97R	V	45	11/15/16	11/16/16	12/26/16
108	108R	V	30	11/15/16	11/16/16	01/20/17
157	157R	IV	30	12/08/16	12/27/16	12/28/16
159	159R	IV	57	12/08/16	01/27/17	01/26/17
178	178R	IV	30	12/09/16	12/27/16	12/28/16
185	185R	V	30	11/15/16	11/17/16	01/26/17
202	202R	IV	95	11/18/16	02/03/17	02/01/17
207	207R	IV	95	11/22/16	11/29/16	12/28/16
Proposed Well #1	299	IV	85	11/23/16	01/27/17	N/A
Proposed Well #2	300	IV	40	11/29/16	12/16/16	N/A
Proposed Well #3	301	V	28	11/30/16	02/03/17	N/A
Proposed Well #4	302	IV	99	11/21/16	01/27/17	N/A
Proposed Well #5	303	IV	66	11/16/16	01/27/17	N/A
Proposed Well #6	304	IV	41	11/16/16	12/15/16	N/A
Proposed Well #7	305	IV	52	11/16/16	12/05/16	N/A
Proposed Well #8	306	III	42	11/17/16	12/02/16	N/A
Proposed Well #9	307	III	30	11/17/16	02/16/17	N/A
Proposed Well #10	308	III	30	11/17/16	12/02/16	N/A
Proposed Well #11	309	III	30	11/17/16	12/02/16	N/A
Proposed Well #12	310	V	80	12/05/16	01/27/17	N/A
Proposed Well #13	311	V	65	12/06/16	12/23/16	N/A
Proposed Well #14	312	V	45	12/05/16	12/22/16	N/A
Proposed Well #15	313	V	50	11/15/16	12/02/16	N/A
Proposed Well #16	314	V	67	12/07/16	12/20/16	N/A
Proposed Well #17	315	V	38	12/09/16	01/11/17	N/A
Proposed Well #18	316	V	38	12/09/16	01/25/17	N/A
Proposed Well #19	317	V	40	12/07/16	12/23/16	N/A
Proposed Well #20	318	V	40	12/07/16	12/23/16	N/A
Proposed Well #21	319	V	40	12/06/16	01/13/17	N/A



0 100 200 300 400 500
FEET
Graphic Scale

1st Level Horizontal Collectors
2nd Level Horizontal Collectors
3rd Level Horizontal Collectors

Contouring data provided to DSWA by Foresite Associates, Inc. (April 5, 2017 Aerial Topography).
Aerial Topography Provided by Axis Geospatial, 101 Bay St., Suite 4, Easton, MD 21601
Fence Posts have not been surveyed in. Locations depicted are within 5' of a location in field.
Modelspace scale for printing = 1" = 200'. This layout has been downsized for graphical use.

DELAWARE SOLID WASTE AUTHORITY
1128 SOUTH BRADFORD STREET
DOVER, DELAWARE
PHONE: (302) 739-5361 FAX: (302) 739-4287

TITLE
Cherry Island Landfill
Landfill Gas Control And Collection System
And Monitoring Instruments
(April 2017)

DATE	SITE LOCATION			SHEET NUMBER
MY0917	CHERRY ISLAND LANDFILL			Att F
SCALE	AUTHORED BY	DRAWN BY	APPROVED BY	
Graphic	DAF	DAF		

10-003-00111

DELAWARE SOLID WASTE AUTHORITY

Board of Directors
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William J. Strickland

Richard P. Watson, P.E., BCEE
Chief Executive Officer

Robin M. Roddy, P.E., BCEE
Chief Operating Officer

January 29, 2018

Mr. Ali Mirzakhalili, P.E.
Air Director
Division of Air Quality
Department of Natural Resources and Environmental Control
State Street Commons
100 West Water Street, Suite 6A
Dover, DE 19904

Submitted Online
To: R3_APD_PERMITS
From: V. Nicole Burkhardt
On: 1/30/2018

Dear Mr. Mirzakhalili:

RE: **AQM-003/00111-RENEWAL 3**
CHERRY ISLAND LANDFILL
2017 ANNUAL REPORT

In compliance with our Title V Permit: AQM-003/00111-Renewal 2(Revision 2) (enforceable January 1, 2017 through July 31, 2017) and AQM-003/00111-Renewal 3 (enforceable August 1, 2017 through December 31, 2017) enclosed are one (1) original and one (1) copy of the Cherry Island Landfill annual certification report for the period January 1, 2017 through December 31, 2017. This document also contains the semi-annual report for July 1, 2017 through December 31, 2017. Please note, the entire permit number does not fit on all of the forms. Therefore AQM-003/00111 should be taken to represent the full permit identification.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete. If you have any questions about any of the information provided please contact Ms. V. Nicole Gallagher Burkhardt at (302) 764-5385.

Yours truly,

Robin M. Roddy, P.E., BCEE
Chief Operating Officer

RMR:um
Attachments

c: R. P. Watson, P.E., BCEE
L.V. Miller, P.E., BCEE
L. K. Baer, P.E., BCEE
V. N. G. Burkhardt, P.E.
B. Klotz (DNREC)
U.S. EPA (R3_APD_Permits@epa.gov)

Regulation No. 30 Title V State Operating Program Air Quality Management Section	AQM-1001BB revised

COMPLIANCE CERTIFICATION

Form B

Updated July 1, 2008

For Permits Issued After May 12, 2008 Using New Boilerplate Language

FOR DEPARTMENT USE, ONLY
DATE RECEIVED:
DATE REVIEWED:
REVIEWED BY:

An application for a permit, permit modification, or permit renewal must contain a certification of compliance signed by a *Responsible Official*. This form must be submitted with each application in addition to satisfying the compliance certification requirements of Regulation No. 30 (Title V) State Operating Permits. The Annual Compliance Certification report is due February 1 of each calendar year and covers the reporting period of January 1 through December 31 of the previous calendar year. This form also fulfills the requirement to certify compliance with applicable requirements at the time of the initial application request for a permit and for a significant or minor permit revision request. This form can also be used to certify compliance with the applicable requirements and terms and conditions of the operating permit as part of request for permit renewal.

This form has been designed for permits issued after May 12, 2008 that have new boilerplate language. Note: A limited number of permits issued soon after May 12, 2008 were in-process and contain the older language. If you are uncertain of which Compliance Certification form to use, ask your permitting engineer or scientist.

Part A: FACILITY INFORMATION

1. Facility Name: Cherry Island Landfill
2. Facility Street Address: 1706 E. 12th Street

3. City: Wilmington	4. State: DE	5. Zip Code: 19809

6. Are you submitting: *(check only one box)*

   A. Compliance Certification as part of an Initial Permit Application: ☐
   B. Compliance Certification as part of an Application for Permit Renewal: ☐
   C. Annual Compliance Certification: ☒
   D. Compliance Certification as part of an Application for a Minor or Significant Permit Revision: ☐

7. Permit No.: AQM-003/00111	8. Facility ID No.: 1000300111 (10 digits)	9. Date Permit Issued: 08/01/2017

10. What is the reporting period?

    A. Annual Compliance Certification: 01/01/2017 TO 12/31/2017
    B. Semi-Annual Report:
       Submitted using form AQM-1001BB: YES
       If YES, Indicate the reporting period for the Semi-Annual Report:
       07/01/2017 TO 12/31/2017

11. Date Form Prepared: 1/29/2018

12. Technical Contact: V. Nicole Gallagher Burkhardt Title: Landfill Gas Engineer
    Phone No.: (302) 764-5385 ext. Fax No.: (302) 764-5386 E-Mail Address: vngb@dswa.com

Part B: COMPLIANCE STATUS

1. Complete Table 1 – Compliance Status: Indicate the compliance status with respect to the terms and conditions of the Regulation No. 30 (Title V) State Operating Permit.

2. Complete Table 2 – Compliance Status – General Conditions: Indicate the Compliance Status with the General Conditions of the Regulation No. 30 (Title V) State Operating Permit.

3. Has any of the information contained in Items 1 through 5 of Part A and/or Part D, Responsible Official, information changed from that contained in the issued Regulation No. 30 (Title V) State Operating Permit?
   NO
   If YES, submit a request for an administrative permit amendment per the requirements of Regulation No. 30 Section 7(c).

4. Semi-Annual Report: Completion of this section of the form fulfills the obligation of the facility to submit a Semi-Annual Report.

   Complete Table 3, Report of Any Required Monitoring, and complete Table 4, Report of Deviations

   Is the Responsible Official reporting any deviations for the reporting period? YES

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION	AQM-1001BB revised

Part C: ADDITIONAL INFORMATION

1. Does the Company possess any additional information that demonstrates noncompliance with any term or condition of the Regulation No. 30 (Title V) State Operating Permit? NO

   If YES, complete Table 5 – Additional Information

2. Is the Company submitting any attachments with the annual certification report? YES

   If YES, complete Table 6 – Additional Information

Part D: CERTIFICATION BY RESPONSIBLE OFFICIAL

I, the undersigned, hereby certify under penalty of law that I am a Responsible Official and that I have personally examined and am familiar with the information submitted in the document and all of its attachments as to the truth, accuracy, and completeness of this information. I certify based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

I am submitting the Semi-Annual Report with the Annual Compliance Certification: YES
(Note: the Semi-Annual Report is due February 1st for the reporting period July 1st through December 31st and August 1st for the reporting period January 1st through June 30th of each calendar year.)

By signing this form, I certify that I have not changed, altered, or deleted any portions of this form.

Responsible Official Signature: _____

Responsible Official Name: Robin M. Roddy, P.E., BCEE
Responsible Official Title: Chief Opertaing Officer
Phone Number: (302) 739-5361 ext.

Part E: SUBMITTAL INFORMATION

1. The Annual Compliance Certification report is due February 1 of each calendar year.

2. The Annual Compliance Certification should be submitted to the following locations:

Original and one (1) copy:	One (1) copy:
State of Delaware – DNREC Division of Air Quality 655 S Bay Road, Suite 5N Dover, DE 19901 Attention: Director	United States Environmental Protection Agency Associate Director of Enforcement (3AP12) 1650 Arch Street Philadelphia, PA 19103

Annual and Semi-Annual Report Tables

The following Annual and Semi-Annual Report Tables include all Table 1 conditions from Permit: AQM-003/00111-Renewal 2(Revision 2) which was in effect for the reporting period of January 1, 2017 through July 31, 2017. Permit: AQM-003/00111-Renewal 3 was in effect for the reporting period of August 1, 2017 through December 31, 2017.

Most conditions were unchanged in the new Permit. Therefore, unless otherwise marked, these tables demonstrate compliance for the entire annual reporting period of January 1, 2017 through December 31, 2017 or semi-annual reporting period of July 1, 2017 through December 31, 2017 (as applicable) for all conditions listed under both revisions of the Permit. It should be noted that the condition reference numbers and Emission Unit numbers relate to Permit: AQM-003/00111-Renewal 2(Revision 2) which may vary from the condition reference numbers and Emission Unit numbers for Permit: AQM-003/00111-Renewal 3.

Any condition listed in Table 1 or Table 3 which has an asterisk and a shaded background has been changed or removed in the new Permit: AQM-003/00111-Renewal 3. Therefore, compliance with these marked conditions is for the annual reporting period of January 1, 2017 through July 31, 2017 or semi-annual reporting period of July 1, 2017 through July 31, 2017 (as applicable).

Attachments G and H of this report include a supplement to the Annual and Semi-Annual Report Tables (respectively). The conditions listed in Attachments G and H are either newly incorporated or revised in Permit: AQM-003/00111-Renewal 3. Compliance with these conditions is for the reporting period of August 1, 2017 through December 31, 2017.

The above plan was discussed with and approved by DNREC on a phone call held on January 11, 2018.

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
1	Condition 3 -Table 1 (a)(1)(i) The flares shall be operated with no visible emissions as determined by Reference Method 22 (RM 22), except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.	Monitoring of emissions from flares in accordance with Condition 3 - Table 1 (a)(1)(i).	Continuous
1	Condition 3 - Table 1 (a)(1)(iv)(A) Each portable passive flare shall be used for temporary installation and operation only as odor control device. The passive flares do not in any way relieve the Company of the requirements of Condition 3–Table 1(b), (c) & (d), and cannot be used as a substitute control device.	Record keeping of passive flare use in accordance with Condition 3 - Table 1 (a)(1)(iv)(A).	Continuous
1	Condition 3 - Table 1 (a)(1)(iv)(B) Each portable passive flare assembly shall be tagged with a permanent identification that designates and identifies an individual flare unit. This designation shall be used in all relocation correspondence.	Record keeping of passive flare identification in accordance with Condition 3 - Table 1 (a)(1)(iv)(B).	Continuous
1	Condition 3 - Table 1 (a)(1)(iv)(C) The identification tag shall be of a physical form approved by the Department, such as a welded or riveted plate or engraving.	Record keeping of identification form in accordance with Condition 3 - Table 1 (a)(1)(iv)(C).	Continuous
1	Condition 3 - Table 1 (a)(1)(iv)(D) Each flare unit and connected piping system shall be maintained in proper operating condition.	Monitoring of flare unit condition in accordance with Condition 3 - Table 1 (a)(1)(iv)(D).	Continuous
1	Condition 3 - Table 1 (a)(1)(iv)(E) Each flare unit shall be equipped with a flame arrester to prevent flashback to the landfill.	Record keeping of passive flare flame arrester in accordance with Condition 3 - Table 1 (a)(1)(iv)(E).	Continuous

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
1	Condition 3 - Table 1 (a)(1)(iv)(F) Each flare unit relocation shall be for a period of time not to exceed 180 days unless another time period is submitted to and approved by the Department. Any request to extend that time period shall be submitted to the Department a minimum of 30 days prior to expiration of the 180 days.	Record keeping of passive flare usage in accordance with Condition 3 - Table 1 (a)(1)(iv)(F).	Continuous
1	Condition 3 - Table 1 (a)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Monitoring and record keeping in accordance with Condition 3 - Table 1 (a)(1)(v).	Continuous
1	Condition 3 - Table 1 (a)(1)(vi)(A) The number of hours and days each flare is in use.	Monitoring of passive flare usage in accordance with Condition 3 - Table 1 (a)(1)(vi)(A).	Continuous
1	Condition 3 - Table 1 (a)(1)(vi)(B) The operational limitations of Condition 3–Table 1(a)(1)(iv).	Monitoring and record keeping in accordance with Condition 3 - Table 1 (a)(1)(vi)(B).	Continuous
1	Condition 3 - Table 1 (a)(1)(vii) In addition to that required by Condition 3(b)(1)(ii) of this permit, the owner/operator shall conduct a daily visible emissions observation on passive flares in use Monday - Friday, excluding holidays and weather related closing, for at least ten (10) minutes.	Testing in accordance with Condition 3 - Table 1 (a)(1)(vii).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
1	Condition 3 - Table 1 (a)(1)(ix) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(c)(2) of this permit, the Company shall maintain records of the information monitored in Condition 3 – Table 1(a)(1)(vi).	Record keeping in accordance with Condition 3 - Table 1 (a)(1)(ix).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A) A notification to the Department within 24 hours after relocation of flares within or to any DSWA landfill sites. This notification can be made via email or fax which includes the following information:	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A)(1) Which flare(s) is (are) being relocated.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(1).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A)(2) The site of the relocated flare(s).	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(2).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A)(3) The reason for the flare(s) relocation.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(3).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A)(4) The date and time the flare(s) was (were) relocated.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(4).	Continuous
1	Condition 3 - Table 1 (a)(1)(x)(A)(5) The intended period of time the flare(s) is(are) proposed for use at that location.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(5).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
1	Condition 3 - Table 1 (a)(1)(x)(B) The Company shall calculate/estimate the emissions from all passive flares used at the site based on actual hours of operation and include this information in the annual emissions inventory report.	Reporting of passive flare emissions in accordance with Condition 3 - Table 1 (a)(1)(x)(B).	Continuous
1	Condition 3 - Table 1 (a)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance shall be based on monitoring, records keeping and reporting requirements of this section.	Record keeping in accordance with Condition 3 - Table 1 (a)(1)(xi).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(i) The flare shall be operated with no visible emissions as determined by Reference Method 22, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.	Monitoring of flare visible emissions in accordance with Condition 3 - Table 1 (b)(1)(i).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(A)(1) NOx: A rate of 0.025 pound per million BTU for each Low-NOx enclosed flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(1).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(A)(2) NOx: 11.95 tons per 12-month rolling period for each Low-NOx enclosed Flare, and a total of 23.9 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(2).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(B)(1) CO: A rate of 0.06 pound per million BTU for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(1).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(B)(2) CO: 57.4 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(2).	Continuous

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(C)(1) PM: A rate of 2.3 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(1).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(C)(2) PM: 16 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(2).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(D) NMOC: 0.61 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(E)(1) SOx: A rate of 19.7 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(1).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(E)(2) SOx: 77 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(2).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(F)(1) HCl: A rate of 0.28 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(1).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(F)(2) HCl: 1.11 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(2).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(A) The flares shall be operated with a flame present at all times and shall be operated at all times when collected landfill gas is routed to the system.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(A).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(B) The flare flame detection device shall be in proper operation whenever the flare is in operation.	Record keeping of flame detection device operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(B).	Continuous

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Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(C) The owner/operator shall adhere to the flare gas heat content specifications in 40 CFR 60, Subpart A, §60.18(c)(3)(ii) dated 7/1/05 and the flare exit velocity specifications in 40 CFR 60, Subpart A, §60.18(c)(4) dated 7/1/05.	Record keeping of flare gas heat content and exit velocity in accordance with Condition 3 - Table 1 (b)(1)(iii)(C).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(D) Landfill gas flow shall be diverted to the flare system for combustion within one (1) hour of gas compression plant shutdown during normal operating hours and within four (4) hours outside of normal operating hours. Normal operating hours shall mean Monday through Friday, 0700 hours until 1500 hours, excluding holidays and weather-related landfill closings.	Record keeping of response time to shut downs in accordance with Condition 3 - Table 1 (b)(1)(iii)(D).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(E) The flares shall be operated according to the latest startup, shutdown, and malfunction plan (SSMP) during all periods of startup, shutdown, and malfunction.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(E).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(F) All structural and mechanical components of the flare and gas collection and treatment system shall be maintained in proper operating condition.	Record keeping of flare and gas system maintenance in accordance with Condition 3 - Table 1 (b)(1)(iii)(F).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(G) The flare shall have an NMOC destruction efficiency of at least 98%.	Record keeping of NMOC destruction efficiency in accordance with Condition 3 - Table 1 (b)(1)(iii)(G).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(A) The flares shall be operated in conjunction with the gas collection system to control odors as a top priority.	Monitoring of flare operation to reduce odors in accordance with Condition 3 - Table 1 (b)(1)(iv)(A).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(iv)(B) The total amount of landfill gas burned through ZULE-A and ZULE-B shall be no more than 3,780 MMscf (million standard cubic foot) per 12-month rolling period.	Record keeping of the amount of landfill gas burned through ZULE-A and ZULE-B in accordance with Condition 3 - Table 1 (b)(1)(iv)(B).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(iv)(C) The maximum flow to the each flare shall be no more than 4,500 scfm (standard cubic foot per minute).	Record keeping of flare flow in accordance with Condition 3 - Table 1 (b)(1)(iv)(C).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(D) The flare shall be operated as per the manufacturer's recommendation. Flare operating parameters shall include but are not limited to flare flow rate, flame temperature and residence time.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(iv)(D).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(v) Compliance with the standards and limitations will be demonstrated by adherance to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(v).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(A) The owner/operator shall monitor the flare to ensure that it is operated and maintained in conformance with its design.	Monitoring flare operation in accordance with Condition 3 - Table 1 (b)(1)(vi)(A).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(B) The owner/operator shall monitor the presence of a flare pilot flame by using a thermocouple or any other equivalent device to detect the presence of a flame.	Monitoring of flare pilot flame in accordance with Condition 3 - Table 1 (b)(1)(vi)(B).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(C) The owner/operator shall monitor the flare flame monitoring equipment shall be inspected monthly.	Record keeping of flame monitoring equipment inspection in accordance with Condition 3 - Table 1 (b)(1)(vi)(C).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(D) The owner/operator shall monitor the flow rate of landfill gas to the flare each day.	Monitoring gas flow rate in accordance with Condition 3 - Table 1 (b)(1)(vi)(D).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(E) The owner/operator shall monitor the operational standards and limitations of Condition 3–Table 1(b)(1)(iii) & (iv).	Monitoring the operational standards and limitations in accordance with Condition 3 - Table 1 (b)(1)(vi)(E).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(vi)(F) The owner/operator shall monitor compliance with the opacity requirements of Condition 3-Table 1(b)(1)(i) shall be determined once per quarter using RM 22 while flares are in operation from 40 CFR 60, Appendix A, dated 7/1/05. If visual emissions are determined to be in excess of the limitation in Condition 3-Table 1(b)(1)(i), the Company shall take all means necessary to minimize emissions and to operate the flare without visible emissions.	Monitoring the opacity requirements in accordance with Condition 3 - Table 1 (b)(1)(vi)(F).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(G) While in operation, a flow meter shall be used to continuosly monitor and record the gas flow rate to the flare. The owner/operator shall follow all applicable requirements for the landfill outlined by 40 CFR Part 60.756-Monitoring of operations and 40 CFR Part 60.18(c)-General control device requirements (for flares).	Monitoring of flow rates in the flares in accordance with Condition 3 - Table 1 (b)(1)(vi)(G).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vii)(A) The performance of the flow monitor shall be demonstrated at least once each year by passing the tests given in 40 CFR 60 Appendix B, Performance Specification 6 except for calibration drift.	Testing of flow monitor in accordance with Condition 3 - Table 1 (b)(1)(vii)(A).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(vii)(B) The owner/operator shall notify the Department at least thirty (30) days prior to any flow monitor test to give the Department the opportunity to witness the test.	Testing of flow monitor in accordance with Condition 3 - Table 1 (b)(1)(vii)(B).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(vii)(C) DSWA may use GEM testing and lab sample analysis results to perform calculations referred by Condition 3-Table 1(b)(iii)(C) quarterly basis. The Company shall perform calculations once per calendar year as identified by federal regulation 40 CFR 60, Subpart A, §60.18(f)(3).	Testing in accordance with Condition 3 - Table 1 (b)(1)(vii)(C).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(A) Periods of operation for each flare.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(ix)(A).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(B) Reason flare is not in operation.	Record keeping of reason for flare down time in accordance with Condition 3 - Table 1 (b)(1)(ix)(B).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(C) Daily, monthly and 12-month rolling usage of landfill gas to each flare.	Record keeping of landfill gas usage in accordance with Condition 3 - Table 1 (b)(1)(ix)(C).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(D) RM 22 records.	Record keeping of visible emissions in accordance with Condition 3 - Table 1 (b)(1)(ix)(D).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(E) Inspection and maintenance records of flares including flame and pilot flame monitoring.	Record keeping of inspections and maintenance of flares in accordance with Condition 3 - Table 1 (b)(1)(ix)(E).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(F) The monthly and rolling twelve (12) month total emissions shall be calculated by using landfill gas flow rate to each flare, hours of flare operation , site specific data, stack test results and AP-42 factors as appropriate, and recorded each month in a log for each of the following pollutants: Nitrogen oxides; Carbon monoxide; Particulates Matter; Non-methane organic compounds; Sulfur oxides; and Hydrochloric acid.	Record keeping of emissions totals in accordance with Condition 3 - Table 1 (b)(1)(ix)(F).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(1) The Company shall keep records of the Data showing flame presence;	Record keeping of flame presence in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(1).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(2) The Company shall keep records of the Inspections of flare monitoring equipment;	Record keeping of inspections in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(2).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(3) The Company shall keep records of the Flare velocity and landfill gas BTU content data;	Record keeping of gas velocity and heat content in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(3).	Continuous
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(G)(4) The Company shall keep records of the a statement of qualifications of personnel performing Method 22.	Record keeping of personnel qualifications in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(4).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(5) The Company shall keep records of the Calibration records for all flow meters;	Record keeping of flow meter calibration in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(5).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(6) The Company shall keep records of the Landfill gas test information, including test protocol, raw data and final report; and	Record keeping of gas testing information in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(6).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(7) The Company shall keep records of All parts of the startup, shutdown and malfunction plan, including: The occurrence and duration of each startup, shutdown, or malfunction of operation; The occurrence and duration of each malfunction of the air pollution control and monitoring equipment; All required maintenance performed on the air pollution control and monitoring equipment; Actions taken during period of startup, shutdown, and malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the startup, shutdown, and malfunction plan; and All information necessary to demonstrate compliance with the startup, shutdown, and malfunction plan when actions are consistent with the plan.	Record keeping of SSMP occurrences in accordance with Condition 3 - Table 1 (b)(2)(ix)(G)(7).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(x)(A) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department semi-annual reports of all operational exceedances that contain the value and length of time for exceedance of parameters monitored under Condition 3– Table 1(b)(1)(vi).	Reporting of operational exceedances through semi-annual reports in accordance with Condition 3 - Table 1 (b)(1)(x)(A).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(x)(B) The owner/operator shall report actions within 2 working days, followed by a letter within 7 working days, following actions that are not consistent with the startup, shutdown, or malfunction plan.	Reporting actions inconsistent with SSMP in accordance with Condition 3 - Table 1 (b)(1)(x)(B).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(A) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall use RM22 of Appendix A 40 CFR Part 60 to determine compliance with the visible emissions provision of Condition 3 –Table 1(b)(1)(i).	Record keeping of visible emissions compliance in accordance with Condition 3 - Table 1 (b)(1)(xi)(A).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(B) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall calculate the net heating value of the gas being combusted in the flare using the method specified in 40 CFR Part 60.18(f)(3).	Record keeping of gas net heating value in accordance with Condition 3 - Table 1 (b)(1)(xi)(B).	Continuous
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(C) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall demonstrate compliance with the emission limitations of Condition 3 – Table 1(b)(1)(ii) each month based on the amount of gas combusted, actual NMOC, H2S, and methane concentrations, approved emission factors and good engineering assumptions.	Record keeping of emissions in accordance with Condition 3 - Table 1 (b)(1)(xi)(C).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(D) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall calculate emissions from the flares as identified by Condition 3-Table 1(b)(ix)(F) by the end of each month for the previous month.	Record keeping of emissions in accordance with Condition 3 - Table 1 (b)(1)(xi)(D).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(A) Operate the collection system such that gas is collected from each area, cell, or group of cells in the landfill in which the solid waste has been in place for a period of: 5 years or more if active; or 2 years or more if closed or at final grade.	Record keeping of waste age and gas collection in accordance with Condition 3 - Table 1 (c)(1)(iii)(A).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(B) Operate the collection system to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment.	Record keeping of collection system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(B).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(C) Operate the system such that all collected gases are vented to the gas treatment plant that processes the collected gas for subsequent sale or use and/or to permitted landfill gas flares that are designed and operated in accordance with §60.18	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(D) Operate the control or treatment system at all times when the collected gas is routed to the system.	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(D).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(E) In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour.	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(E).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(F) The provisions of this permit apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices.	Record keeping of SSM events in accordance with Condition 3 - Table 1 (c)(1)(iii)(F).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(G) The owner/operator shall implement a program to monitor for cover integrity and implement cover repairs as per permit SW-06/01 dated 1/6/06 issued by the Solid and Hazardous Waste Management Branch, DNREC or as the permit is modified or renewed in future.	Monitoring of cover integrity in accordance with Condition 3 - Table 1 (c)(1)(iii)(G).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(H)(1) Operate the collection system with negative pressure at each wellhead except under condition the following conditions: A fire or increased well temperature; Use of geomembrane or synthetic cover, in which case the operator shall develop acceptable pressure limits in the design plan; or A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the Department.	Record keeping of collection system pressure in accordance with Condition 3 Table 1 (c)(1)(iii)(H)(1).	Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(H)(2) If a positive pressure exists, action shall be initiated by the Company to correct the exceedance within 5 calendar days, except for the three conditions allowed under paragraph H(1) above. If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards.	Record keeping of pressure exceedances in accordance with Condition 3 - Table 1 (c)(1)(iii)(H)(2).	Intermittent

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(I)(1) Operate each interior wellhead in the collection system with a landfill gas temperature less than 55C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The Company may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens. Approval of gas wellhead operating temperature increase will be evaluated case-by-case basis.	Monitoring of gas temperature, nitrogen level, and oxygen level in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(1).	Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(I)(2) If a well exceeds one of the operating parameters specified in Condition 3 Table 1 (c)(iii)(I)(1), action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance.	Record keeping of gas temperature, nitrogen level, or oxygen level exceedances in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(2).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(I)(3) Any attempted corrective measure shall not cause exceedances of other operational or performance standards.	Record keeping of corrective measures in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(3).	Continuous

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(iii)(I)(4) If corrective actions are taken as specified in paragraph(B) above, the monitored exceedance is not a violation of the operational requirements in this section.	Record keeping of corrective measures in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(4).	Continuous
4	Condition 3 - Table 1 (c)(1)(iii)(J) Operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing around the perimeter of the collection area along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.	Record keeping of surface emissions in accordance with Condition 3 - Table 1 (c)(1)(iii)(J).	Intermittent
4	Condition 3 - Table 1 (c)(1)(iv) All landfill gas monitoring shall be performed by trained personnel.	Record keeping of personnel training in accordance with Condition 3 - Table 1 (c)(1)(iv).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping and monitoring in accordance with Condition 3 - Table 1 (c)(1)(v).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(A) The owner/operator shall measure gauge pressure in the gas collection header at each individual well, monthly.	Monitoring system pressure in accordance with Condition 3 - Table 1 (c)(1)(vi)(A).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(B) The owner/operator shall monitor each well for temperature and nitrogen or oxygen, monthly.	Monitoring system temperature and nitrogen or oxygen in accordance with Condition 3 - Table 1 (c)(1)(vi)(B).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(C) The owner/operator shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a serpentine pattern spaced 30 meters apart (or a site-specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 60.755(d).	Monitoring surface methane emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(C)(1) Monitoring shall also be performed where visual observations, such as distressed vegetation and cracks or seeps in the cover, indicate elevated concentrations of landfill gas.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(C)(2) Areas with steep or otherwise dangerous areas may be excluded from the surface testing.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(2).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(vi)(C)(3) All penetrations from the landfill.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(3).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(D) Determine the background concentration by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(D).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(E) Develop a surface monitoring plan for methane that includes: A topographical map with the monitoring route identified and spaced at 30 meter intervals; The rational for any site-specific deviations from the 30 meter intervals; and All penetrations from the landfill.	Creating surface monitoring plan in accordance with Condition 3 - Table 1 (c)(1)(vi)(E).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(F) Implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis.	Monitoring cover integrity in accordance with Condition 3 - Table 1 (c)(1)(vi)(F).	Continuous
4	Condition 3 - Table 1 (c)(1)(vi)(G) Monitor training records for all personnel performing landfill gas monitoring and update records as needed.	Monitoring training records in accordance with Condition 3 - Table 1 (c)(1)(vi)(G).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(A) Perform surface emission monitoring in accordance with section "individual source survey" of Method 21 of 40 CFR Part 60, Appendix A, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vii)(A).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(vii)(B) The portable analyzer shall meet the instrument specifications provided in section "apparatus" of Method 21 of 40 CFR Part 60, Appendix A, except that "methane" shall replace all references to VOC.	Record keeping of analyzer specifications in accordance with Condition 3 - Table 1 (c)(1)(vii)(B).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(C) The calibration gas shall be methane, diluted to a nominal concentration of 500 ppm in air.	Record keeping of calibration gas in accordance with Condition 3 - Table 1 (c)(1)(vii)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(D) Follow "performance evaluation requirements" and "instrument evaluation procedures" of Method 21 of 40 CFR Part 60, Appendix A.	Record keeping of evaluations in accordance with Condition 3 - Table 1 (c)(1)(vii)(D).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(E) The calibration procedures provided in Method 21 of Appendix A shall be followed immediately before commencing a surface monitoring survey.	Record keeping of calibration procedures in accordance with Condition 3 - Table 1 (c)(1)(vii)(E).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(F) The nitrogen level shall be determined using Method 3C of 40 CFR Part 60, Appendix A.	Monitoring nitrogen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(F).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(G) The oxygen level shall be determined by an oxygen meter using Method 3A of 40 CFR Part 60, Appendix A except that:	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(vii)(G)(1) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(G)(2) A data recorder is not required.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(2).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(G)(3) Only two calibration gases are required, a zero and a span, and ambient air may be used as the span.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(3).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(G)(4) A calibration error check is not required.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(4).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(G)(5) The allowable sample bias, zero drift, and calibration drift are plus/minus 10 percent.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(5).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(H) The NMOC emission rate shall be calculated using the appropriate equation provided in 40 CFR Part 60.754(a).	Record keeping of NMOC calculations in accordance with Condition 3 - Table 1 (c)(1)(vii)(H).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(vii)(I) Each month, the owner or operator shall sample the landfill gas using Department approved test methods to determine methane and H2S content. A dräger tube (or equivalent) test can be accepted for monthly determination of H2S in landfill gas along with a quarterly test by ASTM D5504 or EPA method 15/16. The owner or operator shall take measure to complete a quarterly test, and provide time for a repeat test within that quarter if necessary.	Monitoring methane and H2S content in accordance with Condition 3 - Table 1 (c)(1)(vii)(I).	Continuous
4	Condition 3 - Table 1 (c)(1)(vii)(J) Each quarter, the owner or operator shall sample the landfill gas using Department approved test methods to determine NMOC content. EPA Method 25c can be used as the Department approved test method.	Monitoring NMOC content in accordance with Condition 3 - Table 1 (c)(1)(vii)(J).	Continuous
4	Condition 3 - Table 1 (c)(1)(viii) Training shall include but not be limited to such things as sampling methods, instrument calibration, instrument response time, instrument response factors, and calibration gases.	Record keeping of personnel training in accordance with Condition 3 - Table 1 (c)(1)(viii).	Continuous

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(ix)(A) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of thie permit, the Company shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.	Record keeping of landfill capacity data in accordance with Condition 3 - Table 1 (c)(1)(ix)(A).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(B) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of thie permit, the Company shall keep readily accessible records for the life of the control equipment of the data listed in the following as measured during the initial performance test or compliance determination.	Record keeping of gas system data in accordance with Condition 3 - Table 1 (c)(1)(ix)(B).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(B)(1) The maximum expected gas generation flow rate as calculated in §60.755(a)(1).	Record keeping of maximum calculated gas flow rate in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(B)(2) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 40 CFR Part §60.759(a)(1).	Record keeping of gas extraction devices in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(2).	Continuous

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(ix)(B)(3) The flare type (i.e., steam assisted, air-assisted, or nonassisted), all visible emission readings, heat content determination, flow rate or bypass flow rate measurements, and exit velocity determinations made during the performance test as specified in §60.18; continuous records of the flare pilot flame or flare flame monitoring and records of all periods of operations during which the pilot flame or the flare flame is absent.	Record keeping of flare type and data in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(3).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(C) Keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in Conditions 3 –Table 1(c)(1)(iii) & (iv) as well as up-to-date, readily accessible records for periods of during which the parameter boundaries established during the most recent performance test are exceeded.	Record keeping of operating parameters in accordance with Condition 3 - Table 1 (c)(1)(ix)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(D) Keep up-to-date, readily accessible continuous records of the indication of flow to the control device or indication of bypass flow.	Record keeping of flow control in accordance with Condition 3 - Table 1 (c)(1)(ix)(D).	Intermittent
4	Condition 3 - Table 1 (c)(1)(ix)(E) Records of subsequent tests or monitoring including monitoring of H2S concentration in landfill gas shall be maintained for a minimum of 5 years.	Record keeping of tests and monitoring in accordance with Condition 3 - Table 1 (c)(1)(ix)(E).	Continuous

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(ix)(F) Records of the control device vendor specifications shall be maintained until removal.	Record keeping of vendor specifications in accordance with Condition 3 - Table 1 (c)(1)(ix)(F).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(G) Keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and provide a unique identification location label for each collector.	Record keeping of plot map in accordance with Condition 3 - Table 1 (c)(1)(ix)(G).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(H) Keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors.	Record keeping of collector installation date and location in accordance with Condition 3 - Table 1 (c)(1)(ix)(H).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(I) Keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as well as any nonproductive areas excluded from collection.	Record keeping of asbestos-containing and nondegradable waste in accordance with Condition 3 - Table 1 (c)(1)(ix)(I).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(J) Keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards, the reading in the subsequent month whether or not the second reading is an exceedance, the location of each exceedance and any corrective actions taken on monitored exceedances.	Record keeping of collection and control system exceedances in accordance with Condition 3 - Table 1 (c)(1)(ix)(J).	Continuous

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(ix)(K) Record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports.	Record keeping of positive pressure in accordance with Condition 3 - Table 1 (c)(1)(ix)(K).	Continuous
4	Condition 3 - Table 1 (c)(1)(ix)(L) The operational standards and limitations monitored in accordance with Conditions 3 - Table 1 (c)(1)(iii) & (iv).	Record keeping of the operational standards and limitations monitored in accordance with Conditions 3 - Table 1 (c)(1)(iii) & (iv). in accordance with Condition 3 - Table 1 (c)(1)(ix)(L).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(A) An amended design capacity report when there is an increase in the design capacity of the landfill, whether the increase results from an increase in the area or depth of the landfill, a change in the operating procedures of the landfill, or any other means. The amended design capacity report shall be submitted within 90 days of the issuance of an amended construction or operating permit, or the placement of waste in additional land, or the change in operating procedures which will result in an increase in maximum design capacity, whichever occurs first.	Reporting of amended design capacity in accordance with Condition 3 - Table 1 (c)(1)(x)(A).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(x)(B) The owner/operator shall submit to the Department compliance reports every 6 months (semi-annually) as specified in 40 CFR Parts 63.1980(a) and (b), and Condition 3-Table 1(c)(4)(x) including information on all deviations as defined in 40 CFR Part 63.1990 that occurred during the 6-month reporting period. The semi-annual reports are due by February 1 and August 1 of each calendar year.	Reporting of compliance in accordance with Condition 3 - Table 1 (c)(1)(x)(B).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C) In addition to the information outlined in MACT requirement of this section, the owner/operator shall submit to the Department semi-annual reports of the recorded information in (1) through (6) below:	Reporting in accordance with Condition 3 - Table 1 (c)(1)(x)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C)(1) Value and length of time for exceedance of applicable parameters monitored under Condition 3-Table 1(c)(1)(vi), and (c)(2)(vi).	Reporting of value and length of exceedances in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C)(2) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow.	Reporting of gas bypass in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(2).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(x)(C)(3) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating.	Reporting of control device down time in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(3).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C)(4) All periods when the collection system was not operating in excess of 5 days.	Reporting of collection system down time in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(4).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C)(5) The location of each exceedance of the 500 parts per million methane concentration and the concentration recorded at each location for which an exceedance was recorded in the previous quarter.	Reporting of surface monitoring exceedances in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(5).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(C)(6) The date of installation and the location of each well or collection system expansion added along with new plot maps that indicate the locations of all new equipment.	Reporting of well location and installation in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(6).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(D) The owner/operator shall submit an NMOC emission rate report to the Department annually, except as provided for in paragraph (3) below. The Department may request such additional information as may be necessary to verify the reported NMOC emission rate.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(x)(D)(1) The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in §60.754 (a) or (b), as applicable.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(D)(2) The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(2).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(D)(3) The Company subject to the requirements of this subpart is exempted from the requirements of paragraphs 1 and 2 of this section, after the installation of a collection and control system in compliance with Condition 3-Table 1(a), (c), (d) and (e), during such time as the collection and control system is in operation and in compliance with Condition 3 -Table 1(a), (c), (d), and (e).	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(3).	Continuous
4	Condition 3 - Table 1 (c)(1)(x)(E) The owner/operator shall submit the quarterly H2S concentration in LFG analysis results identified by Condition 3 - Table 1 (c)(1)(vii)(I) by the end of the each quarter for the previous quarter.	Reporting in accordance with Condition 3 - Table 1 (c)(1)(x)(E)	Intermittent

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(xi)(A) For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with Condition 3– Table 1(c)(1)(iii)(B), the appropriate equation from 40 CFR Part 60.755(a)(1) shall be used. The k and Lo kinetic factors should be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42) or other site specific values demonstrated to be appropriate and approved by the Department. If k has been determined as specified in 60.754(a)(4), the value of k determined from the test shall be used. A value of no more than 15 years shall be used for the intended use period of the gas mover equipment. The active life of the landfill is the age of the landfill plus the estimated number of years until closure.	Record keeping of gas flow rate calculation in accordance with Condition 3 - Table 1 (c)(1)(xi)(A).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(B) If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under Condition 3–Table 1(c)(1)(iii)(I).	Record keeping of positive pressure corrective action in accordance with Condition 3 - Table 1 (c)(1)(xi)(B).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(xi)(C) If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measurement shall not cause exceedances of other operational or performance standards.	Record keeping of gas system expansion in accordance with Condition 3 - Table 1 (c)(1)(xi)(C).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(D) Installation of additional wells is not required during the first 180 days after gas collection system start-up.	Record keeping of new wells in accordance with Condition 3 - Table 1 (c)(1)(xi)(D).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(E) If a well exceeds one of the operating parameters of Condition 3–Table 1(c)(1)(iii)(I), action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measurement shall not cause exceedances of other operational or performance standards.	Record keeping of corrective action in accordance with Condition 3 - Table 1 (c)(1)(xi)(E).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(xi)(F) Any reading of 500 ppm or more above background at any location shall be recorded as a monitored exceedance and the following actions shall be taken. As long as the following specified actions are taken, the exceedance is not a violation of the operational requirements.	Record keeping of surface monitoring exceedances in accordance with Condition 3 - Table 1 (c)(1)(xi)(F).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(F)(1) The location of each monitored exceedance shall be marked and the location recorded.	Record keeping of exceedance location in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(1).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(F)(2) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance.	Record keeping of corrective actions in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(2).	Intermittent
4	Condition 3 - Table 1 (c)(1)(xi)(F)(3) If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in Condition 3 – Table 1(c)(1)(xi)(F)(5) shall be taken, and no further monitoring of that location is required until the action specified in Condition 3 – Table 1(c)(1)(xi)(F)(5) has been taken.	Record keeping of remonitoring results in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(3).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(1)(xi)(F)(4) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day re-monitoring shall be re-monitored 1 month from the initial exceedance. If the 1-month re-monitoring shows a concentration less than 500 ppm above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month re-monitoring shows an exceedance, the actions specified in Condition 3 – Table 1(c)(1)(xi)(F)(3) or (5) shall be taken.	Record keeping of remonitoring in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(4).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(F)(5) For any location where monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance, such as upgrading the blower, header pipes or control device, and a corresponding timeline for installation may be submitted to the Department for approval.	Record keeping of remonitoring results in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(5).	Continuous
4	Condition 3 - Table 1 (c)(1)(xi)(G) Compliance with all standards and limitations of Condition 3 – Table 1(c)(1)(iii) and (iv) shall be based upon record keeping.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(1)(xi)(G).	Continuous

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(2)(iv)(A) The wellhead valve(s) shall be closed.	Monitoring wellhead valves in accordance with Condition 3 - Table 1 (c)(2)(iv)(A).	Continuous
4	Condition 3 - Table 1 (c)(2)(iv)(B) The remaining gas collection system shall be rebalanced and checked during the remainder of the current month and the following two months after valve closure to allow the collection system to adapt without the contribution of the decommissioned well(s).	Monitoring and record keeping of gas collection system rebalancing in accordance with Condition 3 - Table 1 (c)(2)(iv)(B).	Continuous
4	Condition 3 - Table 1 (c)(2)(iv)(C) After DNREC review of data and upon written approval from the Department for final abandonment, remove wellhead(s), cut and cap the vacuum line and gas well casing a minimum of three (3) feet below ground, backfill with soil as appropriate, and repair cap. The initial approval for well decommissioning from the Division of Air Quality does not preclude any requirements by the Department's Solid and Hazardous Waste Management Branch (SHWMB).	Record keeping of gas well removal in accordance with Condition 3 - Table 1 (c)(2)(iv)(C).	Continuous
4	Condition 3 - Table 1 (c)(2)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(2)(v).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(2)(vi)(A) The owner/operator shall monitor the average weekly flow rate of landfill gas collected at the flare/gas station for three (3) months after the well(s) decommissioning and compare with the three (3) months prior to well(s) decommissioning to determine if gas collection has increased, decreased or remained constant as a result of the decommissioning of the extraction points.	Monitoring of collected flow rate in accordance with Condition 3 - Table 1 (c)(2)(vi)(A).	Continuous
4	Condition 3 - Table 1 (c)(2)(vi)(B) The Company shall conduct monthly surface monitoring in the vicinity of the decommissioned well(s) for three (3) consecutive months after initial well decommissioning to determine if additional wells are needed to control fugitive gas emissions or if the decommissioned well(s) need to be returned to service.	Monitoring of surface emissions in accordance with Condition 3 - Table 1 (c)(2)(vi)(B).	Continuous
4	Condition 3 - Table 1 (c)(2)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (c)(2)(vii).	Continuous
4	Condition 3 - Table 1 (c)(2)(ix) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the monitoring required by Condition 3– Table 1(c)(2)(vi).	Record keeping of monitored data in accordance with Condition 3 - Table 1 (c)(2)(ix).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(2)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide the Department with written notification at least 15 days prior to beginning well decommissioning that includes the following:	Reporting well decommissioning data in accordance with Condition 3 - Table 1 (c)(2)(x)(A).	Continuous
4	Condition 3 - Table 1 (c)(2)(x)(A)(1) The reason for well decommissioning.	Reporting reason for decommissioning in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(1).	Continuous
4	Condition 3 - Table 1 (c)(2)(x)(A)(2) A plot map that clearly identifies all nearby active wells and the wells to be decommissioned.	Reporting of well location in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(2).	Continuous
4	Condition 3 - Table 1 (c)(2)(x)(A)(3) Estimated approximate radius of influence (ROI) of the well to be decommissioned and the ROIs of the nearby active wells or LFG collection trenches.	Reporting of radius of influence in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(3).	Continuous
4	Condition 3 - Table 1 (c)(2)(x)(A)(4) Documentation that demonstrates that the wells have been unproductive.	Reporting of documented unproductive wells in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(4).	Continuous
4	Condition 3 - Table 1 (c)(2)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide a summary report of the results and details of the plans to abandon the decommissioned well(s) to the Department for approval prior to formal abandonment.	Reporting of well abandonment plan in accordance with Condition 3 - Table 1 (c)(2)(x)(B).	Continuous

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(2)(x)(C) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide a summary report of landfill gas flow rate and surface emissions monitoring outlined by Condition 3-Table 1(c)(2)(vi)(A)&(B).	Reporting of gas flow rate and emissions monitoring in accordance with Condition 3 - Table 1 (c)(2)(x)(C).	Continuous
4	Condition 3 - Table 1 (c)(2)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance shall be demonstrated by record keeping and reporting.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (c)(2)(xi).	Continuous
4	Condition 3 - Table 1 (c)(3)(iii)(A) The collection and control system may be capped or removed provided that all the following conditions are met:	Record keeping of collection systems capping or removal in accordance with Condition 3 - Table 1 (c)(3)(iii)(A).	Continuous
4	Condition 3 - Table 1 (c)(3)(iii)(A)(1) The landfill shall be no longer accepting solid waste and be permanently closed;	Record keeping of accepted waste in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(1).	Continuous
4	Condition 3 - Table 1 (c)(3)(iii)(A)(2) The collection and control system shall have been in a minimum of 15 years; and	Record keeping of collection system operation time in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(2).	Continuous
4	Condition 3 - Table 1 (c)(3)(iii)(A)(3) The calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.	Record keeping of NMOC gas produced in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(3).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(3)(iii)(B) If a closure report has been submitted to the Department, no additional wastes may be placed into the landfill without filing a notification of modification as described under 40 CFR Part 60.7(a)(4) provided that none of the conditions of this permit are violated.	Record keeping of waste acceptance in accordance with Condition 3 - Table 1 (c)(3)(iii)(B).	Continuous
4	Condition 3 - Table 1 (c)(3)(iii)(C) Any closed landfill that has no monitored exceedances in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane readings of 500 parts per million or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.	Record keeping of monitored exceedances in accordance with Condition 3 - Table 1 (c)(3)(iii)(C).	Continuous
4	Condition 3 - Table 1 (c)(3)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 -Table 1 (c)(3)(v).	Continuous
4	Condition 3 - Table 1 (c)(3)(vi) The company shall monitor the operational standards of Condition 3–Table 1(c)(3)(iii).	Monitoring of operational standards in accordance with Condition 3 - Table 1 (c)(3)(vi).	Continuous
4	Condition 3 - Table 1 (c)(3)(vii) In addition to that required by Condition 3(b)(1)(ii) of this permit, the owner/operator shall calculate the NMOC emission rate using the equation provided in 40 CFR Part 60.754(b).	Record keeping of NMOC emissions calculations in accordance with Condition 3 - Table 1 (c)(3)(vii).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(3)(ix) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep records of the monitoring required by Condition 3–Table 1(c)(3)(vi).	Record keeping of monitored data in accordance with Condition 3 - Table 1 (c)(3)(ix).	Continuous
4	Condition 3 - Table 1 (c)(3)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit a closure report to the Department within 30 days of waste acceptance cessation. The Department may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of Section 258.60 of 40 CFR Part 60.	Reporting of landfill closure in accordance with Condition 3 - Table 1 (c)(3)(x)(A).	Continuous
4	Condition 3 - Table 1 (c)(3)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit an equipment removal report to the Department 30 days prior to removal or cessation of of the control equipment that includes the following:	Reporting of equipment removal in accordance with Condition 3 - Table 1 (c)(3)(x)(B).	Continuous
4	Condition 3 - Table 1 (c)(3)(x)(B)(1) A copy of the closure report submitted in accordance with Condition 3–Table 1(c)(3)(x)(A);	Reporting of closure in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(1).	Continuous
4	Condition 3 - Table 1 (c)(3)(x)(B)(2) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired, and	Reporting of initial performance test in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(2).	Continuous

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(3)(x)(B)(3) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.	Reporting of NMOC emission rates in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(3).	Continuous
4	Condition 3 - Table 1 (c)(3)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (c)(3)(xi).	Continuous
4	Condition 3 - Table 1 (c)(4)(iii) The owner/operator shall develop and implement a written startup, shutdown and malfunction plan (SSM) that describes, in detail, procedures for operating and maintaining the collection and control system and the continuous monitoring system during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment according to the provisions of 40 CFR Part 63.6(e)(3).	Record keeping of SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(iii).	Continuous
4	Condition 3 - Table 1 (c)(4)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(4)(v).	Continuous
4	Condition 3 - Table 1 (c)(4)(vi) In addition to the requirements of all monitoring conditions specified under Condition 3-Table 1(c), the Company shall monitor the time, date, and length of all SSM and any actions taken at such times.	Monitoring of SSM events in accordance with Condition 3 - Table 1 (c)(4)(vi).	Continuous

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Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(4)(ix)(A) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep the written Startup Shutdown and Malfunction Plan (SSM Plan) on record to be made available for inspection upon request, for the life of the affected source.	Record keeping of SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(ix)(A).	Continuous
4	Condition 3 - Table 1 (c)(4)(ix)(B) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep previous versions of the SSM Plan on record if the SSM Plan is revised, for a period of 5 years after each revision to the plan.	Record keeping of previous SSM Plans in accordance with Condition 3 - Table 1 (c)(4)(ix)(B).	Continuous
4	Condition 3 - Table 1 (c)(4)(ix)(C) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the occurrence and duration of each SSM of operation, and of the air pollution control equipment.	Record keeping of each SSM event in accordance with Condition 3 - Table 1 (c)(4)(ix)(C).	Continuous
4	Condition 3 - Table 1 (c)(4)(ix)(D) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall record all maintenance performed on the air pollution control equipment.	Record keeping of equipment maintenance in accordance with Condition 3 - Table 1 (c)(4)(ix)(D).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(4)(ix)(E) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall record actions taken during periods of SSM (including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the SSM Plan.	Record keeping of actions taken during SSM periods in accordance with Condition 3 - Table 1 (c)(4)(ix)(E).	Continuous
4	Condition 3 - Table 1 (c)(4)(ix)(F) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain all information necessary to demonstrate conformance with the affected source's SSM Plan when all actions taken during periods of SSM are consistent with the procedures specified in such plan.	Record keeping of conformance with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(ix)(F).	Continuous
4	Condition 3 - Table 1 (c)(4)(ix)(G) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of the permit, the Company shall record each period during which a CMS is malfunctioning or inoperative.	Record keeping of CMS malfunctions in accordance with Condition 3 - Table 1 (c)(4)(ix)(G).	Continuous
4	Condition 3 - Table 1 (c)(4)(x)(A) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: A SSM report shall be submitted semiannually.	Reporting of SSM compliance in accordance with Condition 3 - Table 1 (c)(4)(x)(A).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(4)(x)(B) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: If actions taken during a SSM are consistent with the procedures specified in the SSM Plan, the owner or operator shall state such information in the report.	Reporting of actions consistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(B).	Continuous
4	Condition 3 - Table 1 (c)(4)(x)(C) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: The SSM report shall consist of a letter, containing the name, title, and signature of the responsible official certifying to its accuracy.	Reporting of SSM report accuracy in accordance with Condition 3 - Table 1 (c)(4)(x)(C).	Continuous
4	Condition 3 - Table 1 (c)(4)(x)(D) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: SSM reports shall be delivered or postmarked by the 30th day following the end of each calendar half.	Reporting of SSM on time in accordance with Condition 3 - Table 1 (c)(4)(x)(D).	Continuous

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COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
4	Condition 3 - Table 1 (c)(4)(x)(E) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: Anytime an action taken by an owner/operator during a SSM is not consistent with the procedures specified in the SSM plan, the owner/operator shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E).	Continuous
4	Condition 3 - Table 1 (c)(4)(x)(E)(1) The immediate report shall consist of a telephone call or facsimile transmission within 2 working days after commencing actions.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E)(1).	Continuous
4	Condition 3 - Table 1 (c)(4)(x)(E)(2) The letter shall contain the name, title and signature of the responsible official certifying its accuracy, explaining the circumstances of the event, the reasons for not following the SSM plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E)(2).	Continuous
4	Condition 3 - Table 1 (c)(4)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping and reporting requirements outlined above.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (c)(4)(xi).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
5	Condition 3 - Table 1 (d)(1)(i) The gas plant shall not be a source of emissions.	Record keeping and monitoring of gas plant in accordance with Condition 3 - Table 1 (d)(1)(i).	Continuous
5	Condition 3 - Table 1 (d)(1)(iv)(A)(1) Route all the collected gas to: the gas compression plant that processes the collected gas for subsequent sale or , use; or	Record keeping of gas routing in accordance with Condition 3 - Table 1 (d)(1)(iv)(A)(1).	Continuous
5	Condition 3 - Table 1 (d)(1)(iv)(A)(2) Permitted flare(s) designed and operated in accordance with §60.18(c).	Record keeping of gas routing in accordance with Condition 3 - Table 1 (d)(1)(iv)(A)(2).	Continuous
5	Condition 3 - Table 1 (d)(1)(iv)(B)(1) The gas plant shall: be operated at all times when the collected gas is routed to the system.	Record keeping of gas plant operation in accordance with Condition 3 - Table 1 (d)(1)(iv)(B)(1).	Continuous
5	Condition 3 - Table 1 (d)(1)(iv)(B)(2) be maintained and operated in a manner consistent with the specifications in the operation manual. Any changes to the manuals shall be submitted to the Department.	Record keeping of operation and maintenance in accordance with Condition 3 - Table 1 (d)(1)(iv)(B)(2).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
5	Condition 3 - Table 1 (d)(1)(iv)(C) DSWA shall upgrade the landfill gas collection system, including gas lines, process skid, and compressor so it is capable of processing and transmitting processed landfill gas at the rate of 9,000 scfm. When the landfill gas flow rate exceeds a daily average of 8,000 scfm for two (2) consecutive months, DSWA shall upgrade the system so it is capable of processing and transmitting processed landfill gas at the rate of 12,000 scfm. In any event, all landfill gas collected at the landfill either shall be processed by the gas compressor system or burned at a flare or flares.	Record keeping of gas system upgrades in accordance with Condition 3 - Table 1 (d)(1)(iv)(C).	Continuous
5	Condition 3 - Table 1 (d)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (d)(1)(v).	Continuous
5	Condition 3 - Table 1 (d)(1)(vi) The owner/operator shall monitor operational limitations of this section.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (d)(1)(vi).	Continuous
5	Condition 3 - Table 1 (d)(1)(ix)(A) The owner/operator shall maintain all records specified under Condition 3-Table 1(d)(1)(vi) including the following information:	Record keeping in accordance with Condition 3 - Table 1 (d)(1)(ix)(A).	Continuous
5	Condition 3 - Table 1 (d)(1)(ix)(A)(1) The date and time the gas plant was shut down;	Record keeping of gas plant shut downs in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(1).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
5	Condition 3 - Table 1 (d)(1)(ix)(A)(2) The date and time the gas flow was restored to the plant; and	Record keeping of gas flow to gas plant in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(2).	Continuous
5	Condition 3 - Table 1 (d)(1)(ix)(A)(3) The date and time the flare was fired.	Record keeping of flare use in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(3).	Continuous
5	Condition 3 - Table 1 (d)(1)(ix)(B) Records of the control device vendor specifications shall be maintained until removal.	Record keeping of vendor specifications in accordance with Condition 3 - Table 1 (d)(1)(ix)(B).	Continuous
5	Condition 3 - Table 1 (d)(1)(ix)(C) The daily exit gas flow rate from gas plant as specified in Condition 3-Table 1 (d)(1)(iv)(A).	Record keeping of exit gas flow rate in accordance with Condition 3 - Table 1 (d)(1)(ix)(C).	Continuous
5	Condition 3 - Table 1 (d)(1)(x)(A) Any changes to the operational manual shall be submitted to the Department within one (1) month.	Reporting of changes to the operational manual in accordance with Condition 3 - Table 1 (d)(1)(x)(A).	Continuous
5	Condition 3 - Table 1 (d)(1)(x)(B) In addition to Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department annual reports of the following information:	Reporting in accordance with Condition 3 - Table 1 (d)(1)(x)(B).	Continuous
5	Condition 3 - Table 1 (d)(1)(x)(B)(1) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR Part 60.756.	Reporting of gas routing in accordance with Condition 3 - Table 1 (d)(1)(x)(B)(1).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
5	Condition 3 - Table 1 (d)(1)(x)(B)(2) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour during normal operating hour and 4 hours outside normal operating hour, and length of time the control device was not operating.	Reporting of control device down time in accordance with Condition 3 - Table 1 (d)(1)(x)(B)(2).	Intermittent
5	Condition 3 - Table 1 (d)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance will be determined based on records keeping and reporting requirements of this section.	Record keeping and reporting in accordance with Condition 3 - Table 1 (d)(1)(xi).	Continuous
6	Condition 3 - Table 1 (e)(1)(i) The generator shall be operated in conformance with the generator manufacturer's instructions, such as following maintenance and operating requirements to help minimize emissions.	Record keeping of operations in accordance with Condition 3 - Table 1 (e)(1)(i).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(A) The emergency generator may be operated for an unlimited number of hours during an emergency as described in Condition 3–Table 1(e)(1)(iii)(C).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(A).	Continuous
6	*Condition 3 - Table 1 (e)(1)(iii)(B) The emergency generator may operate for an unlimited number of hours during testing or for maintenance purposes, pursuant to the definition of an emergency generator as defined in the 7 DE Admin Code 1144, except as restricted by Condition 3–Table 1(e)(1)(iii)(D).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(B).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
6	Condition 3 - Table 1 (e)(1)(iii)(C) The emergency generator may only operate during an emergency as defined below:	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(C)(1) An electrical power outage due to: a failure of the electrical grid; on-site disaster; local equipment failure; or public service emergencies such as flood, fire, natural disaster, or severe weather conditions (e.g. hurricane, tornado, blizzard, etc.); or	Record keeping of hours of emergency operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C)(1).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(C)(2) When there is a deviation of voltage or frequency from the electrical provider to the premises of three percent (3%) or greater above, or five Percent (5%) or greater below, standard voltage or frequency.	Record keeping of hours of emergency operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C)(2).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(D) No emergency generator shall be used during testing or for maintenance purposes before 5 p.m. on a day which has a Ground Level Ozone Pollution Forecast or Particle Pollution Forecast of "Code Red" or "Code Orange" as announced by the Department.	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(D).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(E) Despite Condition 3–Table 1(e)(1)(iii)(D), an emergency generator may be tested on any day that such testing is required to meet National Fire Protection Association (NFPA) standards.	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(E).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
6	*Condition 3 - Table 1 (e)(1)(iii)(F) The emergency generator shall only combust diesel fuel or biodiesel blend having a sulfur content equal to or less than 0.05% by weight.	Record keeping of generator fuel in accordance with Condition 3 - Table 1 (e)(1)(iii)(F).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(G) The emergency generator shall be equipped with a properly functioning non-resettable hour metering device.	Record keeping of generator equipment in accordance with Condition 3 - Table 1 (e)(1)(iii)(G).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(H) The emergency generator shall not be operated in conjunction with a voluntary demand reduction program or any other interruptible power supply arrangement with a utility, other market participant, or system operator (e.g. Delmarva Power, Delaware Electric Cooperative, PJM, etc.).	Record keeping of reasons for operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(H).	Continuous
6	Condition 3 - Table 1 (e)(1)(iii)(I) The emergency generator shall not be transferred off-site without first notifying the Department. Whoever becomes the new owner or operator of this generator within the State of Delaware shall apply for a construction permit.	Record keeping of generator location in accordance with Condition 3 - Table 1 (e)(1)(iii)(I).	Continuous
6	Condition 3 - Table 1 (e)(1)(iv) The emergency generator shall be serviced annually by a manufacturer's representative or by personnel trained to perform maintenance according to the manufacturer's recommendations.	Record keeping of maintenance and personnel training/qualifications in accordance with Condition 3 - Table 1 (e)(1)(iv).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
6	Condition 3 - Table 1 (e)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping in accordance with Condition 3 - Table 1 (e)(1)(v).	Continuous
6	Condition 3 - Table 1 (e)(1)(vi)(A) The Company shall monitor, for each operating period: The type of fuel used to fire this Emission Unit; The monthly amount of fuel combusted; The sulfur content of the fuel oil for each shipment; and the date, time, duration, and reason for each startup.	Monitoring fuel and fuel usage in accordance with Condition 3 - Table 1 (e)(1)(vi)(A).	Continuous
6	Condition 3 - Table 1 (e)(1)(vi)(B) The hours and minutes of operation.	Monitoring of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(vi)(B).	Continuous
6	Condition 3 - Table 1 (e)(1)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (e)(1)(vii).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(A) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: the monitoring required in Condition 3 – Table 1(e)(1)(vi).	Record keeping of monitoring data in accordance with Condition 3 - Table 1 (e)(1)(ix)(A).	Continuous

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
6	Condition 3 - Table 1 (e)(1)(ix)(B) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: for each shipment of fuel, shipping receipt and fuel supplier certifications of fuel sulfur content that state: The type of fuel delivered; and The percentage of sulfur in the fuel and the method used to determine the sulfur content.	Record keeping of fuel information in accordance with Condition 3 - Table 1 (e)(1)(ix)(B).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(C) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: As an alternative to Condition 3–Table 1(e)(1)(ix)(B), the owner may have a the fuel in the generator's fuel tank certified by a third party laboratory, after each shipment of liquid fuel. This certification shall identify: The type of fuel delivered; and The percentage of sulfur in the fuel and the method used to determine the sulfur content.	Record keeping of fuel information in accordance with Condition 3 - Table 1 (e)(1)(ix)(C).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(D) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the initial notification as required by 7 DE Admin Code 1144.	Record keeping of initial notification in accordance with Condition 3 - Table 1 (e)(1)(ix)(D).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
6	Condition 3 - Table 1 (e)(1)(ix)(E) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the manufacturer's maintenance and operational recommendations.	Record keeping of maintenance and operational manual in accordance with Condition 3 - Table 1 (e)(1)(ix)(E).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(F) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: Monthly, the hours of operation on a monthly and cumulative twelve (12) month basis.	Record keeping of hours of operation in accordance with Condition 3 -Table 1 (e)(1)(ix)(F).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(G) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: Monthly, the total fuel usage on a monthly and cumulative twelve (12) month basis.	Record keeping of fuel usage in accordance with Condition 3 - Table 1 (e)(1)(ix)(G).	Continuous
6	Condition 3 - Table 1 (e)(1)(ix)(H) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the annual service performed in accordance with Condition 3–Table 1(e)(1)(iv)(A).	Record keeping of service records in accordance with Condition 3 - Table 1 (e)(1)(ix)(H).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
6	Condition 3 - Table 1 (e)(1)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, if the emergency generator is to be reclassified from an emergency generator to a distributed generator, the owner or operator shall submit a letter stating that the generator is to be reclassified. Reclassification shall not occur without written permission from the Department.	Reporting of generator reclassification in accordance with Condition 3 - Table 1 (e)(1)(x)(A).	Continuous
6	Condition 3 - Table 1 (e)(1)(x)(B) The Company shall calculate the emissions from emergency generator and include this information to yearly emissions inventory report.	Reporting of emissions in accordance with Condition 3 - Table 1 (e)(1)(x)(B).	Continuous
6	Condition 3 - Table 1 (e)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping and reporting requirements outlined above.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (e)(1)(xi).	Continuous
Facility Wide	*Condition 3 - Table 1 (f)(1)(ii) The facility's rolling 12-month emission limitations are based on two low-NOx enclosed flares and all permitted passive flares as shown below: NOx=23.9 tons, CO=57.4 tons, PM=16 tons, NMOC=0.61 tons, Sox=77 tons, HCl=1.11 tons.	Monitoring emissions limitations in accordance with Condition 3 - Table 1 (f)(1)(ii).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(A) As outlined by the unit-specific operational limitations by this permit.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (f)(1)(iv)(A).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(B) Only permitted temporary grinders may be used on site and all emissions from the temporary grinders shall be included in the facility wide total emiisions.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(iv)(B).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(C) Only permitted temporary crushers may be used on site and all emissions from the temporary crushers shall be included in the facility wide total emiisions.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(iv)(C).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(1)(v).	Continuous
Facility Wide	*Condition 3 - Table 1 (f)(1)(vi)(A) The owner/operator shall monitor the following: monthly and 12-month emissions of NOx, CO, PM, NMOCs, SOx, and HCl from the facility.	Monitoring of emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(A).	Intermittent
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(B) The owner/operator shall monitor unit-specific visible emissions as outlined by this permit.	Monitoring of visible emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(B).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(C) The owner/operator shall monitor the hours of operation of permitted temporary stationary equipment.	Monitoring of hours of operation in accordance with Condition 3 - Table 1 (f)(1)(vi)(C).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(1)(vii).	Continuous

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(1)(ix) That required by Conditions 3(b)(1)(ii) and 3(b)(2) and Condition 3-Table 1(f)(1)(vi) of this permit.	Record keeping in accordance with Condition 3 - Table 1 (f)(1)(ix).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(x) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall calculate the rolling 12-month emissions from passive flares based on actual hours of operations and best engineering assumptions. The owner/operator shall include the passive flare emissions to yearly emissions inventory report.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(x).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(xi)(A) Compliance with the emission limitations identified by the unit-specific emissions shall be demonstrated each month based on the amount of gas combusted, actual NMOC, actual H2S concentrations, actual methane content in landfill gas, approved emission factors and good engineering assumptions.	Record keeping of compliance with emission limitations in accordance with Condition 3 - Table 1 (f)(1)(xi)(A).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(xi)(B) Any noncompliance with the restrictions of Condition 3–Table 1(f)(xi)(A) shall be evaluated in accordance with the requirements of 7 DE Admin Code 1125, Requirements for Preconstruction Review. Any emission exceedances which trigger the requirements of 7 DE Admin Code 1125 shall subject the facility to full review under this regulation as though construction had not yet commenced at the facility.	Record keeping of noncompliance in accordance with Condition 3 - Table 1 (f)(1)(xi)(B).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(2)(i) Odor: The owner/operator shall not cause or allow the emission of odorous air contaminants such as to cause a condition of air pollution.	Record keeping of emissions of odorous air contaminants in accordance with Condition 3 - Table 1 (f)(2)(i).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(2)(iv) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(2)(iv).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(2)(v)(A) Conduct daily odor survey at the perimeter of the facility on days the facility is operational. The daily surveys shall be conducted 6 days a week (Monday through Saturday). The owner or operator shall resume off day monitoring if there are any verified odor complaints on any off day in any subsequent quarter. If a landfill gas odor sufficient to cause or create a condition of air pollution is detected, the owner/operator shall take immediate action to correct landfill gas odor problem. The following information shall be recorded and maintained in written or electronic log. Any written log shall be initialed: Start and end time of survey, presence or absence of odor, wind direction, ambient air temperature, and location monitored. In the event when odor is detected along the perimeter exterior of the landfill, the odor survey log shall include the following additional information: Humidity content of ambient air, average wind speed, actions taken in response to odor found.	Monitoring of odors in accordance with Condition 3 - Table 1 (f)(2)(v)(A).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(2)(v)(B) The owner/operator shall conduct perimeter H2S survey (measurement) if H2S concentration in LFG exceeds 450 ppm in two consecutive quarters by laboratory analysis (ASTM). The perimeter H2S measurements shall be conducted within seventy two (72) hours upon receiving the laboratory results and maintain this information for the Department's reviews.	Monitoring of odors in accordance with Condition 3 - Table 1 (f)(2)(v)(B)	Continuous
Facility Wide	Condition 3 - Table 1 (f)(2)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(2)(vii).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(2)(ix) In addition to that required by Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the owner/operator shall maintain records of the following: 1. Presence or absence of odor; 2. Wind direction and ambient air temperature; 3. Location monitored; 4. Actions taken in response to odors found. For H2S monitoring the owner/operator shall maintain records of the following: 1. Method used for perimeter monitoring (survey); 2. Monitoring results; 3.Monitoring location.	Record keeping of odor logs in accordance with Condition 3 - Table 1 (f)(2)(ix).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(2)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall comply with the following: Notify the Department immediately if daily or other odor surveys detect odors beyond the landfill perimeter. The owner/operator shall submit an odor survey sumary log by the end of each calendar month for the previous month. The odor survey summary log shall include all information outlined by Condition 3-Table 1(f)(2)(v)(A).	Reporting of odors in accordance with Condition 3 - Table 1 (f)(2)(x)(A).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(2)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall comly with the following: Research and explore various H2S generation reduction strategies and control options and implement these strategies as necessary so that the H2S concentration in the landfill gas remains consistently low and meets the Ambient Air Quality Standard (AAQS) outlined by 7 DE Admin Code 1103, Section 9 for this pollutant. The facility must submit an annual report to the Department by the end of March of each calendar year for the previous year summarizing its findings including which strategies and control options have been implemented for H2S generation reduction.	Compliance with researching H2S reduction methods in accordance with Condition 3 - Table 1 (f)(2)(x)(B).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(2)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance is demonstrated if the owner/operator has no knowledge to the contrary and has no prior history of exceedances.	Compliance with Condition 3(c)(3) in accordance with Condition 3 - Table 1 (f)(2)(xi).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(A) All structural and mechanical components of the equipment covered by this permit shall be maintained in proper operating condition and such equipment shall be operated at all times in a manner consistent with good air pollution control practice.	Record keeping of equipment maintenance in accordance with Condition 3 - Table 1 (f)(3)(iii)(A).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(B) No person shall cause or allow land clearing, land grading (including grading for roads), excavation, or use of non-paved roads on private property unless methods, such as the application of water or the use of other techniques approved by the Department, are employed to control dust emission.	Record keeping of dust control actions in accordance with Condition 3 - Table 1 (f)(3)(iii)(B).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(C) No person shall cause or allow visible particulate emissions of any material being transported by a motor vehicle.	Record keeping of visible particulate emissions in accordance with Condition 3 - Table 1 (f)(3)(iii)(C).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(D) No person shall cause or allow stockpiling or other storage of material or transport to or from a storage facility in such a manner as may cause a condition of air pollution.	Record keeping of stockpiling practices in accordance with Condition 3 - Table 1 (f)(3)(iii)(D).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(3)(v).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(vi)(A) Each month, the owner/operator shall monitor the operational limitations specified under Condition 3–Table 1(f)(3)(iii). The Company monitor all of the maintenance performed on equipment covered by this permit, and update records as needed.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (f)(3)(vi)(A).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(vi)(B) Each day, the Company shall monitor the methods used to store and transport material and the methods used for control of fugitive dust from loading, unloading, clearing, grading, and excavation.	Monitoring of storage, transport, and dust control methods in accordance with Condition 3 - Table 1 (f)(3)(vi)(B).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(3)(vii).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 01/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
Facility Wide	Condition 3 - Table 1 (f)(3)(ix) In addition to that required by Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the monitoring performed in Condition 3–Table 1(f)(3)(vi).	Record keeping of monitoring data in accordance with Condition 3 - Table 1 (f)(3)(ix).	Continuous
Facility Wide	Condition 3 - Table 1(f)(3)(x) That required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit.	Compliance with Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit in accordance with Condition 3 - Table 1(f)(3)(x).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(xi)(A) In addition to that required by Condition 3(c)(3)of this permit, compliance wit the operational standards shall be demonstrated by the following: Compliance with the Condition 3–Table 1(f)(3)(iii)(A) shall be demonstrated by adherence to good engineering operations and work practices, and based upon record keeping for the proper operation and maintenance of the equipment covered by this permit.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (f)(3)(xi)(A).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(3)(xi)(B) In addition to that required by Condition 3(c)(3)of this permit, compliance wit the operational standards shall be demonstrated by the following: Compliance with the Condition 3 – Table 1(f)(3)(iii)(B), (C), and (D) shall be demonstrated by record keeping.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (f)(3)(xi)(B).	Continuous

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: Cherry Island Landfill Operating Permit Number: AQM-003/00111 Reporting Period: 01/01/2017 TO 12/31/2017

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition No. 2(a)(2) Any report of deviations required under Conditions 3(c)(2)(ii) or 3(c)(2)(iii) that must be submitted to the Department within ten calendar days of discovery of the deviation, may be submitted in the first instance without a certification provided a certification meeting the requirements of Condition 2(a)(1) is submitted to the Department within ten calendar days thereafter, together with any corrected or supplemental information required concerning the deviation.	1. Did you submit a report of deviations required under Condition 3(c)(2)(ii) and/or 3(c)(2)(iii)? NO 1.a. If you marked "YES" indicate the number of reports submitted and the date of each report: 1.b. Did you submit any report identified above within ten (10) calendar days without a certification by the Responsible Official? NO 1.c. If you marked "YES" to 1.b., indicate the reports that were submitted without the certification by the Responsible Official: 1.d. If you marked "YES" to 1.b. did you submit a report meeting the requirements of Condition 2(a)(1) within ten (10) calendar days following the initial report for each of the reports identified in 1.c.? NOT APPLICABLE If you need additional space, complete Table No. 5.

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition No. 2(a)(3) Each document submitted to the Department/EPA pursuant to this permit shall be sent to the following addresses: State of Delaware – DNREC Division of Air Quality 655 S Bay Road, Suite 5N Dover, DE 19901 Attn: Director No. of Originals: 1 No. of Copies: 1 United States Environmental Protection Agency Associate Director of Enforcement (3AP12) 1650 Arch Street Philadelphia, PA 19103 No. of Copies: 1	2.a. Did you submit any documents? YES 2.b. If "YES," did you submit to both the Department and EPA using the addresses identified in your Operating Permit? YES 2.c. Did you submit the correct number of copies for each and every submittal? YES 2.d. If you marked "NO," to 2.b. and/or 2.c., are you now submitting the document(s) with the Annual Compliance Certification? NOT APPLICABLE If you marked "YES" to 2.d., use Table 6 to attach and identify those documents that are being submitted with the Annual Compliance Certification.
Condition No. 2(h) The Owner/Operator shall pay fees to the Department consistent with the fee schedule established by the Delaware General Assembly.	3. Did you pay fees to the Department consistent with the fee schedule established by the Delaware General Assembly? YES

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition No. 2(p) Risk Management Plan Submissions 1. In the event this stationary source, as defined in the State of Delaware "**Accidental Release Prevention (ARP) Regulation**" Section 4, is subject to or becomes subject to Section 5 of the "**ARP Regulation**" (as amended March 11, 2006), the owner or operator shall submit a risk management plan (RMP) to the Environmental Protection Agency's RMP Reporting Center by the date specified in Section 5.10 and required revisions as specified in Section 5.190. A certification statement shall also be submitted as mandated by Section 5.185. 2. If this stationary source, as defined in the State of Delaware "**ARP Regulation**" Section 4, is not subject to Section 5 but is subject or becomes subject to Section 6 of the "**ARP Regulation**" (as amended March 11, 2006), the owner or operator shall submit a Delaware RMP to the State of Delaware Accidental Release Prevention Group by the date specified in Section 6.6.10 and required revisions as specified by Section 6.6.1.	4. Are you subject to Section 5 of the "**ARP Regulation**"? NO 4.a. If you marked "YES" did you submit the following: 4.a.1. A risk management plan by the date specified in Section 5.10? N/A 4.a.2. Required Revisions as specified in Section 5.190? N/A 4.a.3. A certification statement as mandated by Section 5.185? N/A 4.b. If you marked "NO" to 4.a. did you submit a compliance schedule to the Department pursuant to Regulation No. 30 Section 5(d)(8)? NOT APPLICABLE 5. Are you subject to Section 6 of the "**ARP Regulation**"? NO 5.a. If you marked "YES" did you submit the following: 5.a.1. A Delaware RMP by the date specified in Section 6.6.10? N/A 5.a.2. Required revisions as specified by Section 6.6.1? N/A 5.b. If you marked "NO" to 5.a. did you submit a compliance schedule to the Department pursuant to Regulation No. 30 Section 5(d)(8)? NOT APPLICABLE
Condition No. 2(q) Stratospheric Ozone, 40 CFR Part 82	6. Are you subject to the provisions of Stratospheric Ozone, 40 CFR Part 82? NO 6.a. If you marked "YES" complete Table 1 and indicate your compliance status with respect to each permit term and condition.

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(b) Compliance Determination Methodology The Owner/Operator shall maintain records of all required monitoring data and support information for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all original strip chart recordings, where appropriate, for continuous monitoring instrumentation, and copies of all reports required by the permit. Where appropriate, the permit may specify that records may be maintained in computerized form.	7. Are you maintaining records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application? YES
Condition 3(b)(1)(i) The Owner/Operator shall comply with the operational limitations, monitoring, testing, and record keeping requirements detailed in Condition 3 – Table 1 which are in addition to those in Conditions 3(b)(1)(ii) and 3(b)(2).	8. Did you comply with each Compliance Determination Methodology (i.e. did you conduct the compliance determination methodology as frequently and in the manner specified by the operating permit) specified in Condition 3 – Table 1 for each associated permit term and condition? YES

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(b)(1)(ii) General Testing Requirements Upon written request of the Department, the Owner/Operator shall, at the Owner/Operator's expense, sample the emissions of, or fuel used by, an air contaminant emission source, maintain records and submit reports to the Department on the results of such sampling.	9. Did the Department request that you conduct any sampling of emissions or fuel used? NO 9.a. If you marked "YES," provide a brief description of the testing requirement: Emission Unit ID — Date of Sampling — Compliance Status IN COMPLIANCE IN COMPLIANCE IN COMPLIANCE IN COMPLIANCE If you need additional space, provide information in Table No. 5. 9.b. If you marked "YES," did you conduct the sampling in the timeframe and by the protocol established by the Department for each test required? NOT APPLICABLE 9.c. If you marked "YES," did you submit reports to the Department of the results for each test required? NOT APPLICABLE 9.d. If you marked "YES," are you maintaining records for each test required? NOT APPLICABLE 9.e. If you marked "NO" to 9.b., 9.c., and/or 9.d., submit a deviation report for each and every deviation. Use Table 4 to complete this information.

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(b)(2)(i) General Record Keeping Requirements If required, for each operating scenario identified in Condition 3 – Table 1 of this permit, a log that indicates the operating scenario under which each particular emission unit is operating. The Owner/Operator shall, contemporaneously with changing from one operating scenario to another, record in this log the time at which the operating scenario under which it is operating has changed.	10. Does your permit contain Alternate Operating Scenarios in Condition 3 – Table 1? NO 10.a. If you marked "YES," identify the emission units and the Alternate Operating Scenario(s) for each emission unit: 10.b. If you marked "YES," to 10 did you maintain a log for each emission unit and corresponding Alternate Operating Scenario? NOT APPLICABLE 10.c. If you marked "YES," to 10 did you contemporaneously with changing from one operating scenario to another, record in this log the scenario under which the emission unit is operating for each emission unit and corresponding Alternate Operating Scenario and the time at which the operating scenario changed? NOT APPLICABLE 10.d. If you marked "NO" to 10.b. and/or 10.c., complete Table No. 4.
Condition 3(b)(2)(ii) General Record Keeping Requirements The following information to the extent specified in Condition 3 – Table 1 of this permit. A. The date, place, and time of the sampling or measurements. B. The dates analyses were performed. C. The Owner/Operator or entity that performed the analysis. D. The analytical techniques or methods used. E. The results of such analyses. F. The operating conditions as existing at the time of sampling or measurement.	11. Are you maintaining the information required? YES
Condition 3(b)(2)(iv) A copy of the written notice request by Condition 3(c)(2)(iii) for each change made for each change made under Condition 4(c) [Operational Flexibility] of this permit shall be maintained with a copy of the permit.	12. Are you maintaining a copy of the written notice for each change made under Condition 4(c) [Operational Flexibility] with a copy of the permit? NOT APPLICABLE

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(c)(1) Specific Reporting/Certification Requirements The Owner/Operator shall comply with the Reporting/Certification Requirements detailed in Condition 3 – Table 1 of this permit, which are in addition to those of Conditions 3(c)(2) and 3(c)(3) of this permit. Each report that contains any deviations from the terms of Condition 3 – Table 1 shall identify the probable cause of the deviations and any corrective actions or preventative measures taken.	13.a. Did you comply with the Reporting/Certification Requirements detailed in Condition 3 – Table 1 of your Operating Permit? YES 13.b If you marked "NO," did you submit deviation reports for each instance where the Reporting/Certification requirements detailed in Condition 3 – Table 1 were not met? NOT APPLICABLE 13.c If you marked "NO," to 13.b, are you submitting the information with this Annual Compliance Certification? NOT APPLICABLE
Condition 3(c)(2)(i) General Reporting Requirements The Owner/Operator shall submit to the Department a report of any required monitoring not later than the first day of August (covering the period from January 1 through June 30 of the current calendar year) and the first day of February (covering the period from July 1 through December 31 of the previous calendar year) of each calendar year. Each report shall identify any deviations from the monitoring, record keeping, and reporting requirements under this permit; and the probable cause of the deviations; and any corrective actions or preventative measures taken. If no deviations have occurred, such shall be stated in the report.	14. For the reporting period of this compliance certification, did you submit the Semi-Annual Reports by the deadlines specified in the permit? YES 14.a. If you marked "NO," did you submit the Semi-Annual Report to the Department? NOT APPLICABLE 14.b. If you marked "YES" to 14.a., please identify the report(s) that were submitted late: NOT APPLICABLE If you marked "NO" to 14.a., submit a compliance schedule to submit the Semi-Annual Report(s) to the Department. Attach the compliance schedule and label as Attachment No. AQM-1001BB-1.

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(c)(2)(ii)(A) In addition to the semi-annual monitoring reports required under Condition 3(c)(2)(i), the Owner/Operator shall submit to the Department supplemental written reports and/or notices identifying all deviations from permit conditions, probable cause of the deviations, and any corrective actions or preventative measures as follows: If the Owner/Operator is claiming the affirmative defense of emergency or malfunction as provided in Condition 2(b)(5) of this permit, a notice of any deviation resulting from emergency or malfunction conditions shall be reported to the Department within two working days of the time when the technology-based emission limitations were exceeded. Such notice shall contain a description of the emergency or malfunction, any steps taken to mitigate emissions, and any corrective actions taken.	15. Did you submit any claims of affirmative defense of emergency or malfunction as provided in Condition 2(b)(5) of the operating permit? NO 15.a. If you marked "YES," identify the notice(s) submitted to the Department including the date of the emergency or malfunction, date notice submitted to the Department and a brief description of the malfunction: NOT APPLICABLE
Condition 3(c)(2)(ii)(B) In addition to the semi-annual monitoring reports required under Condition 3(c)(2)(i), the Owner/Operator shall submit to the Department supplemental written reports and/or notices identifying all deviations from permit conditions, probable cause of the deviations, and any corrective actions or preventative measures as follows: Emission in excess of any permit condition or emissions which create a condition of air pollution shall be reported to the Department immediately upon discovery and after activating the appropriate site emergency plan, in the following manner: 1. Emissions that pose an imminent and substantial danger to public health, safety or the environment must be reported by calling the Department's Environmental Emergency Notification and Complaint Number (800) 662-8802. 2. Emissions in excess of any permit condition or emissions which create a condition of air pollution but do not pose an imminent and substantial danger to public health, safety or the environment must either be called in to the Environmental Emergency Notification and Complaint number (800) 662-8802 or faxed to (302) 739-2466. The ability to fax notifications to the Department may be revoked by the Department upon written notice to the Company and at the Department's sole discretion.	16. Did you report any emissions in excess of any permit condition or emissions which create a condition of air pollution in accordance with Condition 3(c)(2)(ii)(B)? NO If you marked "YES," identify the reports submitted to the Department including the date of the emissions in excess of any permit condition or emissions which create a condition of air pollution, date of report, and a brief description of the incident: NOT APPLICABLE

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(c)(2)(ii)(C) All emissions in excess of any permit condition or emissions which create a condition of air pollution shall be reported to the Department in a written report pursuant to Condition 3(c)(2)(i) and/or the specific reporting requirements listed in Condition 3 – Table 1 of this permit.	17. Did you report any emissions in excess of any permit conditions or emissions which created a condition of air pollution in a written report pursuant to Condition 3(c)(2)(i) and/or the specific reporting requirements listed in Condition 3 – Table 1? NO 17.b. If you marked "YES," identify the reports submitted to the Department: NOT APPLICABLE
Condition 3(c)(2)(ii)(D) Discharges to the atmosphere in excess of any quantity specified in the 7 Del. C., Section 6028 ("**Reporting of a Discharge of a Pollutant or an Air Contaminant**" Regulation) shall be reported, immediately upon discovery and after activating the appropriate site emergency plan, either in person to the Department's 24-hour Environmental Emergency Notification and Complaint line (1-800-662-8802). Discharges in compliance with this permit and excess emissions previously reported under Condition 3(c)(2)(ii)(B) of this permit are exempt from this reporting requirement.	18. Did you report any discharges to the atmosphere in excess of any quantity specified in the 7 Del. C., Section 6028 "**Reporting of a Discharge of a Pollutant or an Air Contaminant**" Regulation? NO 18.a. If you marked "YES," identify the number of discharges reported including the date of discharge, reporting personnel, and date you reported: NOT APPLICABLE 18.b. If you marked "YES," did you report immediately upon discovery and after activating the appropriate site emergency plan? NOT APPLICABLE 18.c. If you marked "YES," did you report in person or to the Department's 24 hour complaint line? NOT APPLICABLE
Condition 3(c)(2)(iv) The Owner/Operator shall submit to the Department an annual emissions statement in accordance with Regulation No. 17 Section 7 not later than April 30 of each year, or other date as established by the Department, unless an extension by the Department is granted. Such emissions statement shall cover the preceding calendar year.	19. Did you submit your annual emissions statement by the deadline as required by the Department? YES

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(c)(2)(v) If required, the Owner/Operator shall submit to the Department a progress report for applicable requirements identified in Condition 5 – Table 1 of this permit. Such reports shall be submitted not later than the first day of August (covering the period from January 1 through June 30 of the current calendar year) and the first day of February (covering the period July 1 through December 31 of the previous calendar year) of each calendar year. Each progress report shall include the following: A. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved. B. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative of corrective measures adopted.	20. Is Condition No. 5 applicable to this facility? NO 20.a. If you marked "YES," did you submit the progress reports by August 1 (covering the period January 1 through June 30 of the current calendar year) and February 1 (covering the period July 1 through December 31 of the previous calendar year)? NOT APPLICABLE 20.b. If you marked "NO" to 20.a., indicate the date the report(s) was submitted: NOT APPLICABLE 20.c. If you marked "YES" to 20.a. did each progress report contain the information specified in Conditions 3(c)(2)(v)(A) and 3(c)(2)(v)(B)? NOT APPLICABLE
Condition 4(a) In addition to the operational flexibility specifically provided in the terms and conditions detailed in Condition 3 – Table 1 of this permit, the Owner and/or Operator is authorized to make any changes within the facility which contravenes the terms and conditions of this permit without a permit revision if the change: 1. Is not a modification or otherwise prohibited under any provision of Title I of the Act or the State Implementation Plan (SIP); and 2. Does not involve a change in any compliance schedule date; and 3. Does not result in a level of emissions exceeding the emissions allowable under this permit, whether expressed herein as a rate of emissions or in terms of total emissions.	21. Did all requests submitted under Condition No. 4(a) meet the requirements specified in Condition 4(a)(1) through (3)? NOT APPLICABLE 21.a. If you marked "NO," identify the request(s) that failed to meet the criteria and why. If you need additional space, use Table No. 5. NOT APPLICABLE

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 4(b) Before making a change under the provisions of Condition 4(a) of this permit, the Owner and/or Operator shall provide advance written notice to the Department and to the EPA in accordance with Condition 3(c)(2)(iii) of this permit.	22. Did you submit any requests to the Department pursuant to this provision? NO 22.a. If you marked "YES," provide the date of any and all submittals. Complete all information contained in Part B – Compliance Status – Table 1 for each submittal. NOT APPLICABLE 23. Did you submit a copy of each of the above requests to EPA? NOT APPLICABLE
Condition No. 4(c) The Owner and/or Operator shall keep records of any change made under Condition 4 of this permit in accordance with Condition 3(b)(2)(iv) of this permit.	24. Are you maintaining records for each submittal? (Records are to be maintained for a minimum of five (5) years.) NOT APPLICABLE
Condition 3(c)(2)(iii) Prior to making a change as provided in Condition 4 [Operational Flexibility] of this permit the Owner/Operator shall give written notice to the Department and the EPA at least seven calendar days before the change is to be made.	25. Did you make any changes as provided in Condition 4 [Operational Flexibility]? NO 25.a. If you marked "YES," indicate the number of changes you requested, a brief description of the change, and the date of the request: NOT APPLICABLE 25.b. If you marked "YES," did you submit written notice for each change to the Department and EPA Region III at least seven calendar days before the change was made? NOT APPLICABLE 25.c. If you marked "NO," proceed to question no. 26.

Table 2 – COMPLIANCE STATUS – GENERAL CONDITIONS

If you need additional space, use Table No. 5 or attach additional pages and label as Attachment 2 – Compliance Status – General Conditions

COLUMN A	COLUMN B
Permit Term or Condition	Compliance Determination Methodology/Compliance Status
Condition 3(c)(2)(iii)(A) The seven day period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard.	26. Was the change as provided in Condition 4 [Operational Flexibility] shortened or eliminated in order to address unanticipated conditions posing a significant health, safety, or environmental hazard? NOT APPLICABLE 26.a. If you marked "NO," state why the seven day period was shortened or eliminated: NOT APPLICABLE
Condition 3(c)(2)(iii)(B) If less than seven calendar days notice is provided because of a need to respond more quickly to such unanticipated conditions, the Owner/Operator shall provide notice to the Department and to EPA as soon as possible after learning of the need to make the change, together with the reasons why advance notice could not be given.	27. Did you provide less than seven calendar days notice for any notice submitted pursuant to Condition 4 [Operational Flexibility]? NOT APPLICABLE 27.a. If you marked "YES," identify the notices that were provided with less than seven calendar days notice. Include the date of the notice and a brief description of the change. NOT APPLICABLE 27.b. If you marked "YES," did you provide the Department and EPA with notice for each notice as soon as possible after learning of the need to make the change, together with the reasons why advance notice could not be given? NOT APPLICABLE
Condition 3(c)(2)(iii)(C) The written notice shall include all of the following information: 1. The identification of the affected emission units and a description of the change to be made. 2. The date on which the change will occur. 3. Any changes in emissions. 4. Any permit terms and conditions that are affected, including any new applicable requirements.	28. Did the written notices include the information listed in Condition 3(c)(2)(iii)(C)? NOT APPLICABLE

If you indicated a response of "NO" to any of the questions identified within Table No. 2, review and submit as "deviations" using Table No. 4 if the response indicates that a deviation occurred. If you have already reported the deviation, indicate the date and document under which the deviation was reported. If you need additional space to further explain any of your responses under Table No. 2, use Table No. 5.

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
1	Condition 3 -Table 1 (a)(1)(i) The flares shall be operated with no visible emissions as determined by Reference Method 22 (RM 22), except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.	Monitoring of emissions from flares in accordance with Condition 3 - Table 1 (a)(1)(i).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(A) Each portable passive flare shall be used for temporary installation and operation only as odor control device. The passive flares do not in any way relieve the Company of the requirements of Condition 3–Table 1(b), (c) & (d), and cannot be used as a substitute control device.	Record keeping of passive flare use in accordance with Condition 3 - Table 1 (a)(1)(iv)(A).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(B) Each portable passive flare assembly shall be tagged with a permanent identification that designates and identifies an individual flare unit. This designation shall be used in all relocation correspondence.	Record keeping of passive flare identification in accordance with Condition 3 - Table 1 (a)(1)(iv)(B).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(C) The identification tag shall be of a physical form approved by the Department, such as a welded or riveted plate or engraving.	Record keeping of identification form in accordance with Condition 3 - Table 1 (a)(1)(iv)(C).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
1	Condition 3 - Table 1 (a)(1)(iv)(D) Each flare unit and connected piping system shall be maintained in proper operating condition.	Monitoring of flare unit condition in accordance with Condition 3 - Table 1 (a)(1)(iv)(D).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(E) Each flare unit shall be equipped with a flame arrester to prevent flashback to the landfill.	Record keeping of passive flare flame arrester in accordance with Condition 3 - Table 1 (a)(1)(iv)(E).	NO	
1	Condition 3 - Table 1 (a)(1)(iv)(F) Each flare unit relocation shall be for a period of time not to exceed 180 days unless another time period is submitted to and approved by the Department. Any request to extend that time period shall be submitted to the Department a minimum of 30 days prior to expiration of the 180 days.	Record keeping of passive flare usage in accordance with Condition 3 - Table 1 (a)(1)(iv)(F).	NO	
1	Condition 3 - Table 1 (a)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Monitoring and record keeping in accordance with Condition 3 - Table 1 (a)(1)(v).	NO	
1	Condition 3 - Table 1 (a)(1)(vi)(A) The number of hours and days each flare is in use.	Monitoring of passive flare usage in accordance with Condition 3 - Table 1 (a)(1)(vi)(A).	NO	
1	Condition 3 - Table 1 (a)(1)(vi)(B) The operational limitations of Condition 3–Table 1(a)(1)(iv).	Monitoring and record keeping in accordance with Condition 3 - Table 1 (a)(1)(vi)(B).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
1	Condition 3 - Table 1 (a)(1)(vii) In addition to that required by Condition 3(b)(1)(ii) of this permit, the owner/operator shall conduct a daily visible emissions observation on passive flares in use Monday - Friday, excluding holidays and weather related closing, for at least ten (10) minutes.	Testing in accordance with Condition 3 - Table 1 (a)(1)(vii).	NO	
1	Condition 3 - Table 1 (a)(1)(ix) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(c)(2) of this permit, the Company shall maintain records of the information monitored in Condition 3 – Table 1(a)(1)(vi).	Record keeping in accordance with Condition 3 - Table 1 (a)(1)(ix).	NO	
1	Condition 3 - Table 1 (a)(1)(x)(A) A notification to the Department within 24 hours after relocation of flares within or to any DSWA landfill sites. This notification can be made via email or fax which includes the following information:	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(1) Which flare(s) is (are) being relocated.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(1).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(2) The site of the relocated flare(s).	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(2).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(3) The reason for the flare(s) relocation.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(3).	YES	Separate reports submitted throughout operating period

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
1	Condition 3 - Table 1 (a)(1)(x)(A)(4) The date and time the flare(s) was (were) relocated.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(4).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(A)(5) The intended period of time the flare(s) is(are) proposed for use at that location.	Reporting of passive flare relocation in accordance with Condition 3 - Table 1 (a)(1)(x)(A)(5).	YES	Separate reports submitted throughout operating period
1	Condition 3 - Table 1 (a)(1)(x)(B) The Company shall calculate/estimate the emissions from all passive flares used at the site based on actual hours of operation and include this information in the annual emissions inventory report.	Reporting of passive flare emissions in accordance with Condition 3 - Table 1 (a)(1)(x)(B).	YES	April 27, 2017
1	Condition 3 - Table 1 (a)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance shall be based on monitoring, records keeping and reporting requirements of this section.	Record keeping in accordance with Condition 3 - Table 1 (a)(1)(xi).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(i) The flare shall be operated with no visible emissions as determined by Reference Method 22, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.	Monitoring of flare visible emissions in accordance with Condition 3 - Table 1 (b)(1)(i).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(A)(1) NOx: A rate of 0.025 pound per million BTU for each Low-NOx enclosed flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(1).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(A)(2) NOx: 11.95 tons per 12-month rolling period for each Low-NOx enclosed Flare, and a total of 23.9 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(2).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(B)(1) CO: A rate of 0.06 pound per million BTU for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(1).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(B)(2) CO: 57.4 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(2).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(C)(1) PM: A rate of 2.3 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(1).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(C)(2) PM: 16 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(2).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(D) NMOC: 0.61 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(E)(1) SOx: A rate of 19.7 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(1).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(E)(2) SOx: 77 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(2).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(F)(1) HCl: A rate of 0.28 pounds per hour for each flare.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(1).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ii)(F)(2) HCl: 1.11 tons per 12-month rolling period for both flares combined.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(2).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(A) The flares shall be operated with a flame present at all times and shall be operated at all times when collected landfill gas is routed to the system.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(B) The flare flame detection device shall be in proper operation whenever the flare is in operation.	Record keeping of flame detection device operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(B).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(C) The owner/operator shall adhere to the flare gas heat content specifications in 40 CFR 60, Subpart A, §60.18(c)(3)(ii) dated 7/1/05 and the flare exit velocity specifications in 40 CFR 60, Subpart A, §60.18(c)(4) dated 7/1/05.	Record keeping of flare gas heat content and exit velocity in accordance with Condition 3 - Table 1 (b)(1)(iii)(C).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(D) Landfill gas flow shall be diverted to the flare system for combustion within one (1) hour of gas compression plant shutdown during normal operating hours and within four (4) hours outside of normal operating hours. Normal operating hours shall mean Monday through Friday, 0700 hours until 1500 hours, excluding holidays and weather-related landfill closings.	Record keeping of response time to shut downs in accordance with Condition 3 - Table 1 (b)(1)(iii)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(E) The flares shall be operated according to the latest startup, shutdown, and malfunction plan (SSMP) during all periods of startup, shutdown, and malfunction.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(iii)(E).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(F) All structural and mechanical components of the flare and gas collection and treatment system shall be maintained in proper operating condition.	Record keeping of flare and gas system maintenance in accordance with Condition 3 - Table 1 (b)(1)(iii)(F).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iii)(G) The flare shall have an NMOC destruction efficiency of at least 98%.	Record keeping of NMOC destruction efficiency in accordance with Condition 3 - Table 1 (b)(1)(iii)(G).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(A) The flares shall be operated in conjunction with the gas collection system to control odors as a top priority.	Monitoring of flare operation to reduce odors in accordance with Condition 3 - Table 1 (b)(1)(iv)(A).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	*Condition 3 - Table 1 (b)(1)(iv)(B) The total amount of landfill gas burned through ZULE-A and ZULE-B shall be no more than 3,780 MMscf (million standard cubic foot) per 12-month rolling period.	Record keeping of the amount of landfill gas burned through ZULE-A and ZULE-B in accordance with Condition 3 - Table 1 (b)(1)(iv)(B).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(iv)(C) The maximum flow to the each flare shall be no more than 4,500 scfm (standard cubic foot per minute).	Record keeping of flare flow in accordance with Condition 3 - Table 1 (b)(1)(iv)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(iv)(D) The flare shall be operated as per the manufacturer's recommendation. Flare operating parameters shall include but are not limited to flare flow rate, flame temperature and residence time.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(iv)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(v) Compliance with the standards and limitations will be demonstrated by adherance to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(v).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(A) The owner/operator shall monitor the flare to ensure that it is operated and maintained in conformance with its design.	Monitoring flare operation in accordance with Condition 3 - Table 1 (b)(1)(vi)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(B) The owner/operator shall monitor the presence of a flare pilot flame by using a thermocouple or any other equivalent device to detect the presence of a flame.	Monitoring of flare pilot flame in accordance with Condition 3 - Table 1 (b)(1)(vi)(B).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(C) The owner/operator shall monitor the flare flame monitoring equipment shall be inspected monthly.	Record keeping of flame monitoring equipment inspection in accordance with Condition 3 - Table 1 (b)(1)(vi)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(D) The owner/operator shall monitor the flow rate of landfill gas to the flare each day.	Monitoring gas flow rate in accordance with Condition 3 - Table 1 (b)(1)(vi)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(E) The owner/operator shall monitor the operational standards and limitations of Condition 3–Table 1(b)(1)(iii) & (iv).	Monitoring the operational standards and limitations in accordance with Condition 3 - Table 1 (b)(1)(vi)(E).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(vi)(F) The owner/operator shall monitor compliance with the opacity requirements of Condition 3-Table 1(b)(1)(i) shall be determined once per quarter using RM 22 while flares are in operation from 40 CFR 60, Appendix A, dated 7/1/05. If visual emissions are determined to be in excess of the limitation in Condition 3-Table 1(b)(1)(i), the Company shall take all means necessary to minimize emissions and to operate the flare without visible emissions.	Monitoring the opacity requirements in accordance with Condition 3 - Table 1 (b)(1)(vi)(F).	NO	

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Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	Condition 3 - Table 1 (b)(1)(vi)(G) While in operation, a flow meter shall be used to continuosly monitor and record the gas flow rate to the flare. The owner/operator shall follow all applicable requirements for the landfill outlined by 40 CFR Part 60.756-Monitoring of operations and 40 CFR Part 60.18(c)-General control device requirements (for flares).	Monitoring of flow rates in the flares in accordance with Condition 3 - Table 1 (b)(1)(vi)(G).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vii)(A) The performance of the flow monitor shall be demonstrated at least once each year by passing the tests given in 40 CFR 60 Appendix B, Performance Specification 6 except for calibration drift.	Testing of flow monitor in accordance with Condition 3 - Table 1 (b)(1)(vii)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(vii)(B) The owner/operator shall notify the Department at least thirty (30) days prior to any flow monitor test to give the Department the opportunity to witness the test.	Testing of flow monitor in accordance with Condition 3 - Table 1 (b)(1)(vii)(B).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(vii)(C) DSWA may use GEM testing and lab sample analysis results to perform calculations referred by Condition 3-Table 1(b)(iii)(C) quarterly basis. The Company shall perform calculations once per calendar year as identified by federal regulation 40 CFR 60, Subpart A, §60.18(f)(3).	Testing in accordance with Condition 3 - Table 1 (b)(1)(vii)(C).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(A) Periods of operation for each flare.	Record keeping of flare operation in accordance with Condition 3 - Table 1 (b)(1)(ix)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(B) Reason flare is not in operation.	Record keeping of reason for flare down time in accordance with Condition 3 - Table 1 (b)(1)(ix)(B).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(C) Daily, monthly and 12-month rolling usage of landfill gas to each flare.	Record keeping of landfill gas usage in accordance with Condition 3 - Table 1 (b)(1)(ix)(C).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(D) RM 22 records.	Record keeping of visible emissions in accordance with Condition 3 - Table 1 (b)(1)(ix)(D).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(E) Inspection and maintenance records of flares including flame and pilot flame monitoring.	Record keeping of inspections and maintenance of flares in accordance with Condition 3 - Table 1 (b)(1)(ix)(E).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(F) The monthly and rolling twelve (12) month total emissions shall be calculated by using landfill gas flow rate to each flare, hours of flare operation , site specific data, stack test results and AP-42 factors as appropriate, and recorded each month in a log for each of the following pollutants: Nitrogen oxides; Carbon monoxide; Particulates Matter; Non-methane organic compounds; Sulfur oxides; and Hydrochloric acid.	Record keeping of emissions totals in accordance with Condition 3 - Table 1 (b)(1)(ix)(F).	NO	

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2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(1) The Company shall keep records of the Data showing flame presence;	Record keeping of flame presence in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(1).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(2) The Company shall keep records of the Inspections of flare monitoring equipment;	Record keeping of inspections in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(2).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(3) The Company shall keep records of the Flare velocity and landfill gas BTU content data;	Record keeping of gas velocity and heat content in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(3).	NO	
2 and 3	*Condition 3 - Table 1 (b)(1)(ix)(G)(4) The Company shall keep records of the a statement of qualifications of personnel performing Method 22.	Record keeping of personnel qualifications in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(4).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(5) The Company shall keep records of the Calibration records for all flow meters;	Record keeping of flow meter calibration in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(5).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(6) The Company shall keep records of the Landfill gas test information, including test protocol, raw data and final report; and	Record keeping of gas testing information in accordance with Condition 3 - Table 1 (b)(1)(ix)(G)(6).	NO	

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2 and 3	Condition 3 - Table 1 (b)(1)(ix)(G)(7) The Company shall keep records of All parts of the startup, shutdown and malfunction plan, including: The occurrence and duration of each startup, shutdown, or malfunction of operation; The occurrence and duration of each malfunction of the air pollution control and monitoring equipment; All required maintenance performed on the air pollution control and monitoring equipment; Actions taken during period of startup, shutdown, and malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the startup, shutdown, and malfunction plan; and All information necessary to demonstrate compliance with the startup, shutdown, and malfunction plan when actions are consistent with the plan.	Record keeping of SSMP occurrences in accordance with Condition 3 - Table 1 (b)(2)(ix)(G)(7).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	Condition 3 - Table 1 (b)(1)(x)(A) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department semi-annual reports of all operational exceedances that contain the value and length of time for exceedance of parameters monitored under Condition 3– Table 1(b)(1)(vi).	Reporting of operational exceedances through semi-annual reports in accordance with Condition 3 - Table 1 (b)(1)(x)(A).	YES	Exceedances listed in Table 4, Operations Log shown in Attachment A
2 and 3	Condition 3 - Table 1 (b)(1)(x)(B) The owner/operator shall report actions within 2 working days, followed by a letter within 7 working days, following actions that are not consistent with the startup, shutdown, or malfunction plan.	Reporting actions inconsistent with SSMP in accordance with Condition 3 - Table 1 (b)(1)(x)(B).	YES	N/A
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(A) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall use RM22 of Appendix A 40 CFR Part 60 to determine compliance with the visible emissions provision of Condition 3 –Table 1(b)(1)(i).	Record keeping of visible emissions compliance in accordance with Condition 3 - Table 1 (b)(1)(xi)(A).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(B) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall calculate the net heating value of the gas being combusted in the flare using the method specified in 40 CFR Part 60.18(f)(3).	Record keeping of gas net heating value in accordance with Condition 3 - Table 1 (b)(1)(xi)(B).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(C) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall demonstrate compliance with the emission limitations of Condition 3 – Table 1(b)(1)(ii) each month based on the amount of gas combusted, actual NMOC, H2S, and methane concentrations, approved emission factors and good engineering assumptions.	Record keeping of emissions in accordance with Condition 3 - Table 1 (b)(1)(xi)(C).	NO	
2 and 3	Condition 3 - Table 1 (b)(1)(xi)(D) In adition to that required by Condition 3(c)(3) of this permit, the owner/operator shall calculate emissions from the flares as identified by Condition 3-Table 1(b)(ix)(F) by the end of each month for the previous month.	Record keeping of emissions in accordance with Condition 3 - Table 1 (b)(1)(xi)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(A) Operate the collection system such that gas is collected from each area, cell, or group of cells in the landfill in which the solid waste has been in place for a period of: 5 years or more if active; or 2 years or more if closed or at final grade.	Record keeping of waste age and gas collection in accordance with Condition 3 - Table 1 (c)(1)(iii)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(B) Operate the collection system to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment.	Record keeping of collection system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(B).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
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4	Condition 3 - Table 1 (c)(1)(iii)(C) Operate the system such that all collected gases are vented to the gas treatment plant that processes the collected gas for subsequent sale or use and/or to permitted landfill gas flares that are designed and operated in accordance with §60.18	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(C).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(D) Operate the control or treatment system at all times when the collected gas is routed to the system.	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(E) In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour.	Record keeping of gas system operation in accordance with Condition 3 - Table 1 (c)(1)(iii)(E).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(F) The provisions of this permit apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices.	Record keeping of SSM events in accordance with Condition 3 - Table 1 (c)(1)(iii)(F).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(iii)(G) The owner/operator shall implement a program to monitor for cover integrity and implement cover repairs as per permit SW-06/01 dated 1/6/06 issued by the Solid and Hazardous Waste Management Branch, DNREC or as the permit is modified or renewed in future.	Monitoring of cover integrity in accordance with Condition 3 - Table 1 (c)(1)(iii)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(H)(1) Operate the collection system with negative pressure at each wellhead except under condition the following conditions: A fire or increased well temperature; Use of geomembrane or synthetic cover, in which case the operator shall develop acceptable pressure limits in the design plan; or A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the Department.	Record keeping of collection system pressure in accordance with Condition 3 - Table 1 (c)(1)(iii)(H)(1).	NO	

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Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(iii)(H)(2) If a positive pressure exists, action shall be initiated by the Company to correct the exceedance within 5 calendar days, except for the three conditions allowed under paragraph H(1) above. If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards.	Record keeping of pressure exceedances in accordance with Condition 3 - Table 1 (c)(1)(iii)(H)(2).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(iii)(I)(1) Operate each interior wellhead in the collection system with a landfill gas temperature less than 55C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The Company may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens. Approval of gas wellhead operating temperature increase will be evaluated case-by-case basis.	Monitoring of gas temperature, nitrogen level, and oxygen level in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(1).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(I)(2) If a well exceeds one of the operating parameters specified in Condition 3-Table 1 (c)(iii)(I)(1), action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance.	Record keeping of gas temperature, nitrogen level, or oxygen level exceedances in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(2).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(iii)(I)(3) Any attempted corrective measure shall not cause exceedances of other operational or performance standards.	Record keeping of corrective measures in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(3).	NO	
4	Condition 3 - Table 1 (c)(1)(iii)(I)(4) If corrective actions are taken as specified in paragraph(B) above, the monitored exceedance is not a violation of the operational requirements in this section.	Record keeping of corrective measures in accordance with Condition 3 - Table 1 (c)(1)(iii)(I)(4).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(iii)(J) Operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing around the perimeter of the collection area along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.	Record keeping of surface emissions in accordance with Condition 3 - Table 1 (c)(1)(iii)(J).	NO	
4	Condition 3 - Table 1 (c)(1)(iv) All landfill gas monitoring shall be performed by trained personnel.	Record keeping of personnel training in accordance with Condition 3 - Table 1 (c)(1)(iv).	NO	

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4	Condition 3 - Table 1 (c)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping and monitoring in accordance with Condition 3 - Table 1 (c)(1)(v).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(A) The owner/operator shall measure gauge pressure in the gas collection header at each individual well, monthly.	Monitoring system pressure in accordance with Condition 3 - Table 1 (c)(1)(vi)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(B) The owner/operator shall monitor each well for temperature and nitrogen or oxygen, monthly.	Monitoring system temperature and nitrogen or oxygen in accordance with Condition 3 - Table 1 (c)(1)(vi)(B).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(C) The owner/operator shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a serpentine pattern spaced 30 meters apart (or a site-specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 60.755(d).	Monitoring surface methane emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
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4	Condition 3 - Table 1 (c)(1)(vi)(C)(1) Monitoring shall also be performed where visual observations, such as distressed vegetation and cracks or seeps in the cover, indicate elevated concentrations of landfill gas.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(1).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(C)(2) Areas with steep or otherwise dangerous areas may be excluded from the surface testing.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(C)(3) All penetrations from the landfill.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(C)(3).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(D) Determine the background concentration by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vi)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(E) Develop a surface monitoring plan for methane that includes: A topographical map with the monitoring route identified and spaced at 30 meter intervals; The rational for any site-specific deviations from the 30 meter intervals; and All penetrations from the landfill.	Creating surface monitoring plan in accordance with Condition 3 - Table 1 (c)(1)(vi)(E).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
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4	Condition 3 - Table 1 (c)(1)(vi)(F) Implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis.	Monitoring cover integrity in accordance with Condition 3 - Table 1 (c)(1)(vi)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(vi)(G) Monitor training records for all personnel performing landfill gas monitoring and update records as needed.	Monitoring training records in accordance with Condition 3 - Table 1 (c)(1)(vi)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(A) Perform surface emission monitoring in accordance with section "individual source survey" of Method 21 of 40 CFR Part 60, Appendix A, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions.	Monitoring surface emissions in accordance with Condition 3 - Table 1 (c)(1)(vii)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(B) The portable analyzer shall meet the instrument specifications provided in section "apparatus" of Method 21 of 40 CFR Part 60, Appendix A, except that "methane" shall replace all references to VOC.	Record keeping of analyzer specifications in accordance with Condition 3 - Table 1 (c)(1)(vii)(B).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(C) The calibration gas shall be methane, diluted to a nominal concentration of 500 ppm in air.	Record keeping of calibration gas in accordance with Condition 3 - Table 1 (c)(1)(vii)(C).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
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4	Condition 3 - Table 1 (c)(1)(vii)(D) Follow "performance evaluation requirements" and "instrument evaluation procedures" of Method 21 of 40 CFR Part 60, Appendix A.	Record keeping of evaluations in accordance with Condition 3 - Table 1 (c)(1)(vii)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(E) The calibration procedures provided in Method 21 of Appendix A shall be followed immediately before commencing a surface monitoring survey.	Record keeping of calibration procedures in accordance with Condition 3 - Table 1 (c)(1)(vii)(E).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(F) The nitrogen level shall be determined using Method 3C of 40 CFR Part 60, Appendix A.	Monitoring nitrogen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G) The oxygen level shall be determined by an oxygen meter using Method 3A of 40 CFR Part 60, Appendix A except that:	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(1) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(1).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(2) A data recorder is not required.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(3) Only two calibration gases are required, a zero and a span, and ambient air may be used as the span.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(3).	NO	

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4	Condition 3 - Table 1 (c)(1)(vii)(G)(4) A calibration error check is not required.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(4).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(G)(5) The allowable sample bias, zero drift, and calibration drift are plus/minus 10 percent.	Monitoring of oxygen level in accordance with Condition 3 - Table 1 (c)(1)(vii)(G)(5).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(H) The NMOC emission rate shall be calculated using the appropriate equation provided in 40 CFR Part 60.754(a).	Record keeping of NMOC calculations in accordance with Condition 3 - Table 1 (c)(1)(vii)(H).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(I) Each month, the owner or operator shall sample the landfill gas using Department approved test methods to determine methane and H2S content. A dräger tube (or equivalent) test can be accepted for monthly determination of H2S in landfill gas along with a quarterly test by ASTM D5504 or EPA method 15/16. The owner or operator shall take measure to complete a quarterly test, and provide time for a repeat test within that quarter if necessary.	Monitoring methane and H2S content in accordance with Condition 3 - Table 1 (c)(1)(vii)(I).	NO	
4	Condition 3 - Table 1 (c)(1)(vii)(J) Each quarter, the owner or operator shall sample the landfill gas using Department approved test methods to determine NMOC content. EPA Method 25c can be used as the Department approved test method.	Monitoring NMOC content in accordance with Condition 3 - Table 1 (c)(1)(vii)(J).	NO	

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4	Condition 3 - Table 1 (c)(1)(viii) Training shall include but not be limited to such things as sampling methods, instrument calibration, instrument response time, instrument response factors, and calibration gases.	Record keeping of personnel training in accordance with Condition 3 - Table 1 (c)(1)(viii).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(A) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of thie permit, the Company shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.	Record keeping of landfill capacity data in accordance with Condition 3 - Table 1 (c)(1)(ix)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(B) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of thie permit, the Company shall keep readily accessible records for the life of the control equipment of the data listed in the following as measured during the initial performance test or compliance determination.	Record keeping of gas system data in accordance with Condition 3 - Table 1 (c)(1)(ix)(B).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(B)(1) The maximum expected gas generation flow rate as calculated in §60.755(a)(1).	Record keeping of maximum calculated gas flow rate in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(1).	NO	

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4	Condition 3 - Table 1 (c)(1)(ix)(B)(2) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 40 CFR Part §60.759(a)(1).	Record keeping of gas extraction devices in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(2).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(B)(3) The flare type (i.e., steam assisted, air-assisted, or nonassisted), all visible emission readings, heat content determination, flow rate or bypass flow rate measurements, and exit velocity determinations made during the performance test as specified in §60.18; continuous records of the flare pilot flame or flare flame monitoring and records of all periods of operations during which the pilot flame or the flare flame is absent.	Record keeping of flare type and data in accordance with Condition 3 - Table 1 (c)(1)(ix)(B)(3).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(C) Keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in Conditions 3 –Table 1(c)(1)(iii) & (iv) as well as up-to-date, readily accessible records for periods of during which the parameter boundaries established during the most recent performance test are exceeded.	Record keeping of operating parameters in accordance with Condition 3 - Table 1 (c)(1)(ix)(C).	NO	

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4	Condition 3 - Table 1 (c)(1)(ix)(D) Keep up-to-date, readily accessible continuous records of the indication of flow to the control device or indication of bypass flow.	Record keeping of flow control in accordance with Condition 3 - Table 1 (c)(1)(ix)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(E) Records of subsequent tests or monitoring including monitoring of H2S concentration in landfill gas shall be maintained for a minimum of 5 years.	Record keeping of tests and monitoring in accordance with Condition 3 - Table 1 (c)(1)(ix)(E).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(F) Records of the control device vendor specifications shall be maintained until removal.	Record keeping of vendor specifications in accordance with Condition 3 - Table 1 (c)(1)(ix)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(G) Keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and provide a unique identification location label for each collector.	Record keeping of plot map in accordance with Condition 3 - Table 1 (c)(1)(ix)(G).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(H) Keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors.	Record keeping of collector installation date and location in accordance with Condition 3 - Table 1 (c)(1)(ix)(H).	NO	

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4	Condition 3 - Table 1 (c)(1)(ix)(I) Keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as well as any nonproductive areas excluded from collection.	Record keeping of asbestos-containing and nondegradable waste in accordance with Condition 3 - Table 1 (c)(1)(ix)(I).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(J) Keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards, the reading in the subsequent month whether or not the second reading is an exceedance, the location of each exceedance and any corrective actions taken on monitored exceedances.	Record keeping of collection and control system exceedances in accordance with Condition 3 - Table 1 (c)(1)(ix)(J).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(K) Record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports.	Record keeping of positive pressure in accordance with Condition 3 - Table 1 (c)(1)(ix)(K).	NO	
4	Condition 3 - Table 1 (c)(1)(ix)(L) The operational standards and limitations monitored in accordance with Conditions 3 - Table 1 (c)(1)(iii) & (iv).	Record keeping of the operational standards and limitations monitored in accordance with Conditions 3 - Table 1 (c)(1)(iii) & (iv). in accordance with Condition 3 - Table 1 (c)(1)(ix)(L).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(x)(A) An amended design capacity report when there is an increase in the design capacity of the landfill, whether the increase results from an increase in the area or depth of the landfill, a change in the operating procedures of the landfill, or any other means. The amended design capacity report shall be submitted within 90 days of the issuance of an amended construction or operating permit, or the placement of waste in additional land, or the change in operating procedures which will result in an increase in maximum design capacity, whichever occurs first.	Reporting of amended design capacity in accordance with Condition 3 - Table 1 (c)(1)(x)(A).	YES	N/A
4	Condition 3 - Table 1 (c)(1)(x)(B) The owner/operator shall submit to the Department compliance reports every 6 months (semi-annually) as specified in 40 CFR Parts 63.1980(a) and (b), and Condition 3-Table 1(c)(4)(x) including information on all deviations as defined in 40 CFR Part 63.1990 that occurred during the 6-month reporting period. The semi-annual reports are due by February 1 and August 1 of each calendar year.	Reporting of compliance in accordance with Condition 3 - Table 1 (c)(1)(x)(B).	YES	Report dated July 28, 2017 and This Report

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(x)(C) In addition to the information outlined in MACT requirement of this section, the owner/operator shall submit to the Department semi-annual reports of the recorded information in (1) through (6) below:	Reporting in accordance with Condition 3 - Table 1 (c)(1)(x)(C).	YES	Report dated July 28, 2017 and This Report
4	Condition 3 - Table 1 (c)(1)(x)(C)(1) Value and length of time for exceedance of applicable parameters monitored under Condition 3-Table 1(c)(1)(vi), and (c)(2)(vi).	Reporting of value and length of exceedances in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(1).	YES	Attachment B, C and D
4	Condition 3 - Table 1 (c)(1)(x)(C)(2) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow.	Reporting of gas bypass in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(2).	YES	Attachment A
4	Condition 3 - Table 1 (c)(1)(x)(C)(3) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating.	Reporting of control device down time in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(3).	YES	Attachment A
4	Condition 3 - Table 1 (c)(1)(x)(C)(4) All periods when the collection system was not operating in excess of 5 days.	Reporting of collection system down time in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(4).	YES	N/A

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(x)(C)(5) The location of each exceedance of the 500 parts per million methane concentration and the concentration recorded at each location for which an exceedance was recorded in the previous quarter.	Reporting of surface monitoring exceedances in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(5).	YES	Attachment D
4	Condition 3 - Table 1 (c)(1)(x)(C)(6) The date of installation and the location of each well or collection system expansion added along with new plot maps that indicate the locations of all new equipment.	Reporting of well location and installation in accordance with Condition 3 - Table 1 (c)(1)(x)(C)(6).	YES	Attachment E
4	Condition 3 - Table 1 (c)(1)(x)(D) The owner/operator shall submit an NMOC emission rate report to the Department annually, except as provided for in paragraph (3) below. The Department may request such additional information as may be necessary to verify the reported NMOC emission rate.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D).	YES	April 27, 2017
4	Condition 3 - Table 1 (c)(1)(x)(D)(1) The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in §60.754 (a) or (b), as applicable.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(1).	YES	N/A

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(x)(D)(2) The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions.	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(2).	YES	N/A
4	Condition 3 - Table 1 (c)(1)(x)(D)(3) The Company subject to the requirements of this subpart is exempted from the requirements of paragraphs 1 and 2 of this section, after the installation of a collection and control system in compliance with Condition 3-Table 1(a), (c), (d) and (e), during such time as the collection and control system is in operation and in compliance with Condition 3 -Table 1(a), (c), (d), and (e).	Reporting of NMOC emission rate in accordance with Condition 3 - Table 1 (c)(1)(x)(D)(3).	YES	N/A
4	Condition 3 - Table 1 (c)(1)(x)(E) The owner/operator shall submit the quarterly H2S concentration in LFG analysis results identified by Condition 3 - Table 1 (c)(1)(vii)(I) by the end of the each quarter for the previous quarter.	Reporting in accordance with Condition 3 - Table 1 (c)(1)(x)(E)	YES	March 28 and July 14, 2017 and January 23, 2018

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(xi)(A) For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with Condition 3– Table 1(c)(1)(iii)(B), the appropriate equation from 40 CFR Part 60.755(a)(1) shall be used. The k and Lo kinetic factors should be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42) or other site specific values demonstrated to be appropriate and approved by the Department. If k has been determined as specified in 60.754(a)(4), the value of k determined from the test shall be used. A value of no more than 15 years shall be used for the intended use period of the gas mover equipment. The active life of the landfill is the age of the landfill plus the estimated number of years until closure.	Record keeping of gas flow rate calculation in accordance with Condition 3 - Table 1 (c)(1)(xi)(A).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(B) If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under Condition 3–Table 1(c)(1)(iii)(I).	Record keeping of positive pressure corrective action in accordance with Condition 3 - Table 1 (c)(1)(xi)(B).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(xi)(C) If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measurement shall not cause exceedances of other operational or performance standards.	Record keeping of gas system expansion in accordance with Condition 3 - Table 1 (c)(1)(xi)(C).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(D) Installation of additional wells is not required during the first 180 days after gas collection system start-up.	Record keeping of new wells in accordance with Condition 3 - Table 1 (c)(1)(xi)(D).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(E) If a well exceeds one of the operating parameters of Condition 3–Table 1(c)(1)(iii)(I), action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measurement shall not cause exceedances of other operational or performance standards.	Record keeping of corrective action in accordance with Condition 3 - Table 1 (c)(1)(xi)(E).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(xi)(F) Any reading of 500 ppm or more above background at any location shall be recorded as a monitored exceedance and the following actions shall be taken. As long as the following specified actions are taken, the exceedance is not a violation of the operational requirements.	Record keeping of surface monitoring exceedances in accordance with Condition 3 - Table 1 (c)(1)(xi)(F).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(F)(1) The location of each monitored exceedance shall be marked and the location recorded.	Record keeping of exceedance location in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(1).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(F)(2) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance.	Record keeping of corrective actions in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(2).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(xi)(F)(3) If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in Condition 3 – Table 1(c)(1)(xi)(F)(5) shall be taken, and no further monitoring of that location is required until the action specified in Condition 3 – Table 1(c)(1)(xi)(F)(5) has been taken.	Record keeping of remonitoring results in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(3).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(F)(4) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day re-monitoring shall be re-monitored 1 month from the initial exceedance. If the 1-month re-monitoring shows a concentration less than 500 ppm above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month re-monitoring shows an exceedance, the actions specified in Condition 3 – Table 1(c)(1)(xi)(F)(3) or (5) shall be taken.	Record keeping of remonitoring in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(4).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(1)(xi)(F)(5) For any location where monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance, such as upgrading the blower, header pipes or control device, and a corresponding timeline for installation may be submitted to the Department for approval.	Record keeping of remonitoring results in accordance with Condition 3 - Table 1 (c)(1)(xi)(F)(5).	NO	
4	Condition 3 - Table 1 (c)(1)(xi)(G) Compliance with all standards and limitations of Condition 3 – Table 1(c)(1)(iii) and (iv) shall be based upon record keeping.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(1)(xi)(G).	NO	
4	Condition 3 - Table 1 (c)(2)(iv)(A) The wellhead valve(s) shall be closed.	Monitoring wellhead valves in accordance with Condition 3 - Table 1 (c)(2)(iv)(A).	NO	
4	Condition 3 - Table 1 (c)(2)(iv)(B) The remaining gas collection system shall be rebalanced and checked during the remainder of the current month and the following two months after valve closure to allow the collection system to adapt without the contribution of the decommissioned well(s).	Monitoring and record keeping of gas collection system rebalancing in accordance with Condition 3 - Table 1 (c)(2)(iv)(B).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(2)(iv)(C) After DNREC review of data and upon written approval from the Department for final abandonment, remove wellhead(s), cut and cap the vacuum line and gas well casing a minimum of three (3) feet below ground, backfill with soil as appropriate, and repair cap. The initial approval for well decommissioning from the Division of Air Quality does not preclude any requirements by the Department's Solid and Hazardous Waste Management Branch (SHWMB).	Record keeping of gas well removal in accordance with Condition 3 - Table 1 (c)(2)(iv)(C).	NO	
4	Condition 3 - Table 1 (c)(2)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(2)(v).	NO	
4	Condition 3 - Table 1 (c)(2)(vi)(A) The owner/operator shall monitor the average weekly flow rate of landfill gas collected at the flare/gas station for three (3) months after the well(s) decommissioning and compare with the three (3) months prior to well(s) decommissioning to determine if gas collection has increased, decreased or remained constant as a result of the decommissioning of the extraction points.	Monitoring of collected flow rate in accordance with Condition 3 - Table 1 (c)(2)(vi)(A).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(2)(vi)(B) The Company shall conduct monthly surface monitoring in the vicinity of the decommissioned well(s) for three (3) consecutive months after initial well decommissioning to determine if additional wells are needed to control fugitive gas emissions or if the decommissioned well(s) need to be returned to service.	Monitoring of surface emissions in accordance with Condition 3 - Table 1 (c)(2)(vi)(B).	NO	
4	Condition 3 - Table 1 (c)(2)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (c)(2)(vii).	NO	
4	Condition 3 - Table 1 (c)(2)(ix) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the monitoring required by Condition 3– Table 1(c)(2)(vi).	Record keeping of monitored data in accordance with Condition 3 - Table 1 (c)(2)(ix).	NO	
4	Condition 3 - Table 1 (c)(2)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide the Department with written notification at least 15 days prior to beginning well decommissioning that includes the following:	Reporting well decommissioning data in accordance with Condition 3 - Table 1 (c)(2)(x)(A).	YES	September 8, September 20, and December 20, 2017
4	Condition 3 - Table 1 (c)(2)(x)(A)(1) The reason for well decommissioning.	Reporting reason for decommissioning in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(1).	YES	September 8, September 20, and December 20, 2017

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(2)(x)(A)(2) A plot map that clearly identifies all nearby active wells and the wells to be decommissioned.	Reporting of well location in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(2).	YES	September 8, September 20, and December 20, 2017
4	Condition 3 - Table 1 (c)(2)(x)(A)(3) Estimated approximate radius of influence (ROI) of the well to be decommissioned and the ROIs of the nearby active wells or LFG collection trenches.	Reporting of radius of influence in accordance with Condition 3 - Table 1 (c)(2)(x)(A)(3).	YES	September 8, September 20, and December 20, 2017
4	Condition 3 - Table 1 (c)(2)(x)(A)(4) Documentation that demonstrates that the wells have been unproductive.	Reporting of documented unproductive wells in accordance with Condition 3 -Table 1 (c)(2)(x)(A)(4).	YES	September 8, September 20, and December 20, 2017
4	Condition 3 - Table 1 (c)(2)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide a summary report of the results and details of the plans to abandon the decommissioned well(s) to the Department for approval prior to formal abandonment.	Reporting of well abandonment plan in accordance with Condition 3 - Table 1 (c)(2)(x)(B).	YES	July 25 and October 31, 2017
4	Condition 3 - Table 1 (c)(2)(x)(C) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall provide a summary report of landfill gas flow rate and surface emissions monitoring outlined by Condition 3-Table 1(c)(2)(vi)(A)&(B).	Reporting of gas flow rate and emissions monitoring in accordance with Condition 3 - Table 1 (c)(2)(x)(C).	YES	July 25 and October 31, 2017

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(2)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance shall be demonstrated by record keeping and reporting.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (c)(2)(xi).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(A) The collection and control system may be capped or removed provided that all the following conditions are met:	Record keeping of collection systems capping or removal in accordance with Condition 3 - Table 1 (c)(3)(iii)(A).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(A)(1) The landfill shall be no longer accepting solid waste and be permanently closed;	Record keeping of accepted waste in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(1).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(A)(2) The collection and control system shall have been in a minimum of 15 years; and	Record keeping of collection system operation time in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(2).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(A)(3) The calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.	Record keeping of NMOC gas produced in accordance with Condition 3 - Table 1 (c)(3)(iii)(A)(3).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(3)(iii)(B) If a closure report has been submitted to the Department, no additional wastes may be placed into the landfill without filing a notification of modification as described under 40 CFR Part 60.7(a)(4) provided that none of the conditions of this permit are violated.	Record keeping of waste acceptance in accordance with Condition 3 - Table 1 (c)(3)(iii)(B).	NO	
4	Condition 3 - Table 1 (c)(3)(iii)(C) Any closed landfill that has no monitored exceedances in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane readings of 500 parts per million or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.	Record keeping of monitored exceedances in accordance with Condition 3 - Table 1 (c)(3)(iii)(C).	NO	
4	Condition 3 - Table 1 (c)(3)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 -Table 1 (c)(3)(v).	NO	
4	Condition 3 - Table 1 (c)(3)(vi) The company shall monitor the operational standards of Condition 3–Table 1(c)(3)(iii).	Monitoring of operational standards in accordance with Condition 3 - Table 1 (c)(3)(vi).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(3)(vii) In addition to that required by Condition 3(b)(1)(ii) of this permit, the owner/operator shall calculate the NMOC emission rate using the equation provided in 40 CFR Part 60.754(b).	Record keeping of NMOC emissions calculations in accordance with Condition 3 - Table 1 (c)(3)(vii).	NO	
4	Condition 3 - Table 1 (c)(3)(ix) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep records of the monitoring required by Condition 3–Table 1(c)(3)(vi).	Record keeping of monitored data in accordance with Condition 3 - Table 1 (c)(3)(ix).	NO	
4	Condition 3 - Table 1 (c)(3)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit a closure report to the Department within 30 days of waste acceptance cessation. The Department may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of Section 258.60 of 40 CFR Part 60.	Reporting of landfill closure in accordance with Condition 3 - Table 1 (c)(3)(x)(A).	YES	N/A

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(3)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit an equipment removal report to the Department 30 days prior to removal or cessation of of the control equipment that includes the following:	Reporting of equipment removal in accordance with Condition 3 - Table 1 (c)(3)(x)(B).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(x)(B)(1) A copy of the closure report submitted in accordance with Condition 3–Table 1(c)(3)(x)(A);	Reporting of closure in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(1).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(x)(B)(2) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired, and	Reporting of initial performance test in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(2).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(x)(B)(3) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.	Reporting of NMOC emission rates in accordance with Condition 3 - Table 1 (c)(3)(x)(B)(3).	YES	N/A
4	Condition 3 - Table 1 (c)(3)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (c)(3)(xi).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(iii) The owner/operator shall develop and implement a written startup, shutdown and malfunction plan (SSM) that describes, in detail, procedures for operating and maintaining the collection and control system and the continuous monitoring system during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment according to the provisions of 40 CFR Part 63.6(e)(3).	Record keeping of SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(iii).	NO	
4	Condition 3 - Table 1 (c)(4)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (c)(4)(v).	NO	
4	Condition 3 - Table 1 (c)(4)(vi) In addition to the requirements of all monitoring conditions specified under Condition 3-Table 1(c), the Company shall monitor the time, date, and length of all SSM and any actions taken at such times.	Monitoring of SSM events in accordance with Condition 3 - Table 1 (c)(4)(vi).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(A) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep the written Startup Shutdown and Malfunction Plan (SSM Plan) on record to be made available for inspection upon request, for the life of the affected source.	Record keeping of SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(ix)(A).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(ix)(B) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall keep previous versions of the SSM Plan on record if the SSM Plan is revised, for a period of 5 years after each revision to the plan.	Record keeping of previous SSM Plans in accordance with Condition 3 - Table 1 (c)(4)(ix)(B).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(C) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the occurrence and duration of each SSM of operation, and of the air pollution control equipment.	Record keeping of each SSM event in accordance with Condition 3 - Table 1 (c)(4)(ix)(C).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(D) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall record all maintenance performed on the air pollution control equipment.	Record keeping of equipment maintenance in accordance with Condition 3 - Table 1 (c)(4)(ix)(D).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(E) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall record actions taken during periods of SSM (including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the SSM Plan.	Record keeping of actions taken during SSM periods in accordance with Condition 3 - Table 1 (c)(4)(ix)(E).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(ix)(F) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain all information necessary to demonstrate conformance with the affected source's SSM Plan when all actions taken during periods of SSM are consistent with the procedures specified in such plan.	Record keeping of conformance with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(ix)(F).	NO	
4	Condition 3 - Table 1 (c)(4)(ix)(G) In addition to the requirements of Conditions 3(b)(1)(ii) and 3(b)(2) of the permit, the Company shall record each period during which a CMS is malfunctioning or inoperative.	Record keeping of CMS malfunctions in accordance with Condition 3 - Table 1 (c)(4)(ix)(G).	NO	
4	Condition 3 - Table 1 (c)(4)(x)(A) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: A SSM report shall be submitted semiannually.	Reporting of SSM compliance in accordance with Condition 3 - Table 1 (c)(4)(x)(A).	YES	July 25, 2017 and January 23, 2018

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(x)(B) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: If actions taken during a SSM are consistent with the procedures specified in the SSM Plan, the owner or operator shall state such information in the report.	Reporting of actions consistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(B).	YES	July 25, 2017 and January 23, 2018
4	Condition 3 - Table 1 (c)(4)(x)(C) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: The SSM report shall consist of a letter, containing the name, title, and signature of the responsible official certifying to its accuracy.	Reporting of SSM report accuracy in accordance with Condition 3 - Table 1 (c)(4)(x)(C).	YES	July 25, 2017 and January 23, 2018
4	Condition 3 - Table 1 (c)(4)(x)(D) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: SSM reports shall be delivered or postmarked by the 30th day following the end of each calendar half.	Reporting of SSM on time in accordance with Condition 3 - Table 1 (c)(4)(x)(D).	YES	July 25, 2017 and January 23, 2018

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(x)(E) In addition to the requirements of Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department the following reports: Anytime an action taken by an owner/operator during a SSM is not consistent with the procedures specified in the SSM plan, the owner/operator shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E).	YES	July 25, 2017 and January 23, 2018
4	Condition 3 - Table 1 (c)(4)(x)(E)(1) The immediate report shall consist of a telephone call or facsimile transmission within 2 working days after commencing actions.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E)(1).	YES	N/A
4	Condition 3 - Table 1 (c)(4)(x)(E)(2) The letter shall contain the name, title and signature of the responsible official certifying its accuracy, explaining the circumstances of the event, the reasons for not following the SSM plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.	Reporting of actions inconsistent with SSM Plan in accordance with Condition 3 - Table 1 (c)(4)(x)(E)(2).	YES	N/A

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
4	Condition 3 - Table 1 (c)(4)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping and reporting requirements outlined above.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (c)(4)(xi).	NO	
5	Condition 3 - Table 1 (d)(1)(i) The gas plant shall not be a source of emissions.	Record keeping and monitoring of gas plant in accordance with Condition 3 - Table 1 (d)(1)(i).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(A)(1) Route all the collected gas to: the gas compression plant that processes the collected gas for subsequent sale or , use; or	Record keeping of gas routing in accordance with Condition 3 - Table 1 (d)(1)(iv)(A)(1).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(A)(2) Permitted flare(s) designed and operated in accordance with §60.18(c).	Record keeping of gas routing in accordance with Condition 3 - Table 1 (d)(1)(iv)(A)(2).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(B)(1) The gas plant shall: be operated at all times when the collected gas is routed to the system.	Record keeping of gas plant operation in accordance with Condition 3 - Table 1 (d)(1)(iv)(B)(1).	NO	
5	Condition 3 - Table 1 (d)(1)(iv)(B)(2) be maintained and operated in a manner consistent with the specifications in the operation manual. Any changes to the manuals shall be submitted to the Department.	Record keeping of operation and maintenance in accordance with Condition 3 - Table 1 (d)(1)(iv)(B)(2).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
5	Condition 3 - Table 1 (d)(1)(iv)(C) DSWA shall upgrade the landfill gas collection system, including gas lines, process skid, and compressor so it is capable of processing and transmitting processed landfill gas at the rate of 9,000 scfm. When the landfill gas flow rate exceeds a daily average of 8,000 scfm for two (2) consecutive months, DSWA shall upgrade the system so it is capable of processing and transmitting processed landfill gas at the rate of 12,000 scfm. In any event, all landfill gas collected at the landfill either shall be processed by the gas compressor system or burned at a flare or flares.	Record keeping of gas system upgrades in accordance with Condition 3 - Table 1 (d)(1)(iv)(C).	NO	
5	Condition 3 - Table 1 (d)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (d)(1)(v).	NO	
5	Condition 3 - Table 1 (d)(1)(vi) The owner/operator shall monitor operational limitations of this section.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (d)(1)(vi).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(A) The owner/operator shall maintain all records specified under Condition 3-Table 1(d)(1)(vi) including the following information:	Record keeping in accordance with Condition 3 - Table 1 (d)(1)(ix)(A).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
5	Condition 3 - Table 1 (d)(1)(ix)(A)(1) The date and time the gas plant was shut down;	Record keeping of gas plant shut downs in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(1).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(A)(2) The date and time the gas flow was restored to the plant; and	Record keeping of gas flow to gas plant in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(2).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(A)(3) The date and time the flare was fired.	Record keeping of flare use in accordance with Condition 3 - Table 1 (d)(1)(ix)(A)(3).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(B) Records of the control device vendor specifications shall be maintained until removal.	Record keeping of vendor specifications in accordance with Condition 3 - Table 1 (d)(1)(ix)(B).	NO	
5	Condition 3 - Table 1 (d)(1)(ix)(C) The daily exit gas flow rate from gas plant as specified in Condition 3-Table 1 (d)(1)(iv)(A).	Record keeping of exit gas flow rate in accordance with Condition 3 - Table 1 (d)(1)(ix)(C).	NO	
5	Condition 3 - Table 1 (d)(1)(x)(A) Any changes to the operational manual shall be submitted to the Department within one (1) month.	Reporting of changes to the operational manual in accordance with Condition 3 - Table 1 (d)(1)(x)(A).	YES	N/A
5	Condition 3 - Table 1 (d)(1)(x)(B) In addition to Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall submit to the Department annual reports of the following information:	Reporting in accordance with Condition 3 - Table 1 (d)(1)(x)(B).	YES	Attachment A

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
5	Condition 3 - Table 1 (d)(1)(x)(B)(1) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR Part 60.756.	Reporting of gas routing in accordance with Condition 3 - Table 1 (d)(1)(x)(B)(1).	YES	Attachment A
5	Condition 3 - Table 1 (d)(1)(x)(B)(2) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour during normal operating hour and 4 hours outside normal operating hour, and length of time the control device was not operating.	Reporting of control device down time in accordance with Condition 3 - Table 1 (d)(1)(x)(B)(2).	YES	Attachment A
5	Condition 3 - Table 1 (d)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance will be determined based on records keeping and reporting requirements of this section.	Record keeping and reporting in accordance with Condition 3 - Table 1 (d)(1)(xi).	NO	
6	Condition 3 - Table 1 (e)(1)(i) The generator shall be operated in conformance with the generator manufacturer's instructions, such as following maintenance and operating requirements to help minimize emissions.	Record keeping of operations in accordance with Condition 3 - Table 1 (e)(1)(i).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(A) The emergency generator may be operated for an unlimited number of hours during an emergency as described in Condition 3–Table 1(e)(1)(iii)(C).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(A).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	*Condition 3 - Table 1 (e)(1)(ii)(B) The emergency generator may operate for an unlimited number of hours during testing or for maintenance purposes, pursuant to the definition of an emergency generator as defined in the 7 DE Admin Code 1144, except as restricted by Condition 3–Table 1(e)(1)(iii)(D).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(B).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(C) The emergency generator may only operate during an emergency as defined below:	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(C)(1) An electrical power outage due to: a failure of the electrical grid; on-site disaster; local equipment failure; or public service emergencies such as flood, fire, natural disaster, or severe weather conditions (e.g. hurricane, tornado, blizzard, etc.); or	Record keeping of hours of emergency operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C)(1).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(C)(2) When there is a deviation of voltage or frequency from the electrical provider to the premises of three percent (3%) or greater above, or five Percent (5%) or greater below, standard voltage or frequency.	Record keeping of hours of emergency operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(C)(2).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(iii)(D) No emergency generator shall be used during testing or for maintenance purposes before 5 p.m. on a day which has a Ground Level Ozone Pollution Forecast or Particle Pollution Forecast of "Code Red" or "Code Orange" as announced by the Department.	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(D).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(E) Despite Condition 3–Table 1(e)(1)(iii)(D), an emergency generator may be tested on any day that such testing is required to meet National Fire Protection Association (NFPA) standards.	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(E).	NO	
6	*Condition 3 - Table 1 (e)(1)(iii)(F) The emergency generator shall only combust diesel fuel or biodiesel blend having a sulfur content equal to or less than 0.05% by weight.	Record keeping of generator fuel in accordance with Condition 3 - Table 1 (e)(1)(iii)(F).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(G) The emergency generator shall be equipped with a properly functioning non-resettable hour metering device.	Record keeping of generator equipment in accordance with Condition 3 - Table 1 (e)(1)(iii)(G).	NO	

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TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(iii)(H) The emergency generator shall not be operated in conjunction with a voluntary demand reduction program or any other interruptible power supply arrangement with a utility, other market participant, or system operator (e.g. Delmarva Power, Delaware Electric Cooperative, PJM, etc.).	Record keeping of reasons for operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(H).	NO	
6	Condition 3 - Table 1 (e)(1)(iii)(I) The emergency generator shall not be transferred off-site without first notifying the Department. Whoever becomes the new owner or operator of this generator within the State of Delaware shall apply for a construction permit.	Record keeping of generator location in accordance with Condition 3 - Table 1 (e)(1)(iii)(I).	NO	
6	Condition 3 - Table 1 (e)(1)(iv) The emergency generator shall be serviced annually by a manufacturer's representative or by personnel trained to perform maintenance according to the manufacturer's recommendations.	Record keeping of maintenance and personnel training/qualifications in accordance with Condition 3 - Table 1 (e)(1)(iv).	NO	
6	Condition 3 - Table 1 (e)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping in accordance with Condition 3 - Table 1 (e)(1)(v).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(vi)(A) The Company shall monitor, for each operating period: The type of fuel used to fire this Emission Unit; The monthly amount of fuel combusted; The sulfur content of the fuel oil for each shipment; and the date, time, duration, and reason for each startup.	Monitoring fuel and fuel usage in accordance with Condition 3 - Table 1 (e)(1)(vi)(A).	NO	
6	Condition 3 - Table 1 (e)(1)(vi)(B) The hours and minutes of operation.	Monitoring of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(vi)(B).	NO	
6	Condition 3 - Table 1 (e)(1)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (e)(1)(vii).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(A) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: the monitoring required in Condition 3 – Table 1(e)(1)(vi).	Record keeping of monitoring data in accordance with Condition 3 - Table 1 (e)(1)(ix)(A).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(ix)(B) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: for each shipment of fuel, shipping receipt and fuel supplier certifications of fuel sulfur content that state: The type of fuel delivered; and The percentage of sulfur in the fuel and the method used to determine the sulfur content.	Record keeping of fuel information in accordance with Condition 3 - Table 1 (e)(1)(ix)(B).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(C) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: As an alternative to Condition 3–Table 1(e)(1)(ix)(B), the owner may have a the fuel in the generator's fuel tank certified by a third party laboratory, after each shipment of liquid fuel. This certification shall identify: The type of fuel delivered; and The percentage of sulfur in the fuel and the method used to determine the sulfur content.	Record keeping of fuel information in accordance with Condition 3 - Table 1 (e)(1)(ix)(C).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(D) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the initial notification as required by 7 DE Admin Code 1144.	Record keeping of initial notification in accordance with Condition 3 - Table 1 (e)(1)(ix)(D).	NO	

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COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(ix)(E) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the manufacturer's maintenance and operational recommendations.	Record keeping of maintenance and operational manual in accordance with Condition 3 - Table 1 (e)(1)(ix)(E).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(F) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: Monthly, the hours of operation on a monthly and cumulative twelve (12) month basis.	Record keeping of hours of operation in accordance with Condition 3 -Table 1 (e)(1)(ix)(F).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(G) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: Monthly, the total fuel usage on a monthly and cumulative twelve (12) month basis.	Record keeping of fuel usage in accordance with Condition 3 - Table 1 (e)(1)(ix)(G).	NO	
6	Condition 3 - Table 1 (e)(1)(ix)(H) In addition to the requirements of Condition 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the following information: A copy of the annual service performed in accordance with Condition 3–Table 1(e)(1)(iv)(A).	Record keeping of service records in accordance with Condition 3 - Table 1 (e)(1)(ix)(H).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
6	Condition 3 - Table 1 (e)(1)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, if the emergency generator is to be reclassified from an emergency generator to a distributed generator, the owner or operator shall submit a letter stating that the generator is to be reclassified. Reclassification shall not occur without written permission from the Department.	Reporting of generator reclassification in accordance with Condition 3 - Table 1 (e)(1)(x)(A).	YES	N/A
6	Condition 3 - Table 1 (e)(1)(x)(B) The Company shall calculate the emissions from emergency generator and include this information to yearly emissions inventory report.	Reporting of emissions in accordance with Condition 3 - Table 1 (e)(1)(x)(B).	YES	April 27, 2017
6	Condition 3 - Table 1 (e)(1)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance with the operational standards shall be based upon record keeping and reporting requirements outlined above.	Record keeping and reporting of compliance in accordance with Condition 3 - Table 1 (e)(1)(xi).	NO	
Facility Wide	*Condition 3 - Table 1 (f)(1)(ii) The facility's rolling 12-month emission limitations are based on two low-NOx enclosed flares and all permitted passive flares as shown below: NOx=23.9 tons, CO=57.4 tons, PM=16 tons, NMOC=0.61 tons, Sox=77 tons, HCl=1.11 tons.	Monitoring emissions limitations in accordance with Condition 3 - Table 1 (f)(1)(ii).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(A) As outlined by the unit-specific operational limitations by this permit.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (f)(1)(iv)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(B) Only permitted temporary grinders may be used on site and all emissions from the temporary grinders shall be included in the facility wide total emisions.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(iv)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(iv)(C) Only permitted temporary crushers may be used on site and all emissions from the temporary crushers shall be included in the facility wide total emiisions.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(iv)(C).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(1)(v).	NO	
Facility Wide	*Condition 3 - Table 1 (f)(1)(vi)(A) The owner/operator shall monitor the following: monthly and 12-month emissions of NOx, CO, PM, NMOCs, SOx, and HCl from the facility.	Monitoring of emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(B) The owner/operator shall monitor unit-specific visible emissions as outlined by this permit.	Monitoring of visible emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(B).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(C) The owner/operator shall monitor the hours of operation of permitted temporary stationary equipment.	Monitoring of hours of operation in accordance with Condition 3 - Table 1 (f)(1)(vi)(C).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(1)(vii).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(ix) That required by Conditions 3(b)(1)(ii) and 3(b)(2) and Condition 3-Table 1(f)(1)(vi) of this permit.	Record keeping in accordance with Condition 3 - Table 1 (f)(1)(ix).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(x) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall calculate the rolling 12-month emissions from passive flares based on actual hours of operations and best engineering assumptions. The owner/operator shall include the passive flare emissions to yearly emissions inventory report.	Reporting of emissions in accordance with Condition 3 - Table 1 (f)(1)(x).	YES	April 27, 2017
Facility Wide	Condition 3 - Table 1 (f)(1)(xi)(A) Compliance with the emission limitations identified by the unit-specific emissions shall be demonstrated each month based on the amount of gas combusted, actual NMOC, actual H2S concentrations, actual methane content in landfill gas, approved emission factors and good engineering assumptions.	Record keeping of compliance with emission limitations in accordance with Condition 3 - Table 1 (f)(1)(xi)(A).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(1)(xi)(B) Any noncompliance with the restrictions of Condition 3–Table 1(f)(xi)(A) shall be evaluated in accordance with the requirements of 7 DE Admin Code 1125, Requirements for Preconstruction Review. Any emission exceedances which trigger the requirements of 7 DE Admin Code 1125 shall subject the facility to full review under this regulation as though construction had not yet commenced at the facility.	Record keeping of noncompliance in accordance with Condition 3 - Table 1 (f)(1)(xi)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(i) Odor: The owner/operator shall not cause or allow the emission of odorous air contaminants such as to cause a condition of air pollution.	Record keeping of emissions of odorous air contaminants in accordance with Condition 3 - Table 1 (f)(2)(i).	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(iv) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(2)(iv).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(2)(v)(A) Conduct daily odor survey at the perimeter of the facility on days the facility is operational. The daily surveys shall be conducted 6 days a week (Monday through Saturday). The owner or operator shall resume off day monitoring if there are any verified odor complaints on any off day in any subsequent quarter. If a landfill gas odor sufficient to cause or create a condition of air pollution is detected, the owner/operator shall take immediate action to correct landfill gas odor problem. The following information shall be recorded and maintained in written or electronic log. Any written log shall be initialed: Start and end time of survey, presence or absence of odor, wind direction, ambient air temperature, and location monitored. In the event when odor is detected along the perimeter exterior of the landfill, the odor survey log shall include the following additional information: Humidity content of ambient air, average wind speed, actions taken in response to odor found.	Monitoring of odors in accordance with Condition 3 - Table 1 (f)(2)(v)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(v)(B) The owner/operator shall conduct perimeter H2S survey (measurement) if H2S concentration in LFG exceeds 450 ppm in two	Monitoring of odors in accordance with Condition 3 - Table 1 (f)(2)(v)(B)	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(2)(vii).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(2)(ix) In addition to that required by Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the owner/operator shall maintain records of the following: 1. Presence or absence of odor; 2. Wind direction and ambient air temperature; 3. Location monitored; 4. Actions taken in response to odors found. For H2S monitoring the owner/operator shall maintain records of the following: 1. Method used for perimeter monitoring (survey); 2. Monitoring results; 3.Monitoring location.	Record keeping of odor logs in accordance with Condition 3 - Table 1 (f)(2)(ix).	NO	
Facility Wide	Condition 3 - Table 1 (f)(2)(x)(A) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall comply with the following: Notify the Department immediately if daily or other odor surveys detect odors beyond the landfill perimeter. The owner/operator shall submit an odor survey sumary log by the end of each calendar month for the previous month. The odor survey summary log shall include all information outlined by Condition 3-Table 1(f)(2)(v)(A).	Reporting of odors in accordance with Condition 3 - Table 1 (f)(2)(x)(A).	YES	Submitted monthly throughout the year

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(2)(x)(B) In addition to that required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit, the owner/operator shall comly with the following: Research and explore various H2S generation reduction strategies and control options and implement these strategies as necessary so that the H2S concentration in the landfill gas remains consistently low and meets the Ambient Air Quality Standard (AAQS) outlined by 7 DE Admin Code 1103, Section 9 for this pollutant. The facility must submit an annual report to the Department by the end of March of each calendar year for the previous year summarizing its findings including which strategies and control options have been implemented for H2S generation reduction.	Compliance with researching H2S reduction methods in accordance with Condition 3 - Table 1 (f)(2)(x)(B).	YES	March 30, 2017
Facility Wide	Condition 3 - Table 1 (f)(2)(xi) In addition to that required by Condition 3(c)(3) of this permit, compliance is demonstrated if the owner/operator has no knowledge to the contrary and has no prior history of exceedances.	Compliance with Condition 3(c)(3) in accordance with Condition 3 - Table 1 (f)(2)(xi).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(A) All structural and mechanical components of the equipment covered by this permit shall be maintained in proper operating condition and such equipment shall be operated at all times in a manner consistent with good air pollution control practice.	Record keeping of equipment maintenance in accordance with Condition 3 - Table 1 (f)(3)(iii)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(B) No person shall cause or allow land clearing, land grading (including grading for roads), excavation, or use of non-paved roads on private property unless methods, such as the application of water or the use of other techniques approved by the Department, are employed to control dust emission.	Record keeping of dust control actions in accordance with Condition 3 - Table 1 (f)(3)(iii)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(C) No person shall cause or allow visible particulate emissions of any material being transported by a motor vehicle.	Record keeping of visible particulate emissions in accordance with Condition 3 - Table 1 (f)(3)(iii)(C).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(iii)(D) No person shall cause or allow stockpiling or other storage of material or transport to or from a storage facility in such a manner as may cause a condition of air pollution.	Record keeping of stockpiling practices in accordance with Condition 3 - Table 1 (f)(3)(iii)(D).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1 (f)(3)(v) Compliance with the standards and limitations will be demonstrated by adherence to the appropriate monitoring, testing, QA/QC, and recordkeeping requirements.	Record keeping of compliance in accordance with Condition 3 - Table 1 (f)(3)(v).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(vi)(A) Each month, the owner/operator shall monitor the operational limitations specified under Condition 3–Table 1(f)(3)(iii). The Company monitor all of the maintenance performed on equipment covered by this permit, and update records as needed.	Monitoring of operational limitations in accordance with Condition 3 - Table 1 (f)(3)(vi)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(vi)(B) Each day, the Company shall monitor the methods used to store and transport material and the methods used for control of fugitive dust from loading, unloading, clearing, grading, and excavation.	Monitoring of storage, transport, and dust control methods in accordance with Condition 3 - Table 1 (f)(3)(vi)(B).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(vii) That required by Condition 3(b)(1)(ii) of this permit.	Testing in accordance with Condition 3 - Table 1 (f)(3)(vii).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(ix) In addition to that required by Conditions 3(b)(1)(ii) and 3(b)(2) of this permit, the Company shall maintain records of the monitoring performed in Condition 3–Table 1(f)(3)(vi).	Record keeping of monitoring data in accordance with Condition 3 - Table 1 (f)(3)(ix).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
Facility Wide	Condition 3 - Table 1(f)(3)(x) That required by Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit.	Compliance with Conditions 2(a), 2(b)(9), 2(f)(3), 3(b)(1)(ii), and 3(c)(2) of this permit in accordance with Condition 3 - Table 1(f)(3)(x).	YES	N/A
Facility Wide	Condition 3 - Table 1 (f)(3)(xi)(A) In addition to that required by Condition 3(c)(3)of this permit, compliance wit the operational standards shall be demonstrated by the following: Compliance with the Condition 3–Table 1(f)(3)(iii)(A) shall be demonstrated by adherence to good engineering operations and work practices, and based upon record keeping for the proper operation and maintenance of the equipment covered by this permit.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (f)(3)(xi)(A).	NO	
Facility Wide	Condition 3 - Table 1 (f)(3)(xi)(B) In addition to that required by Condition 3(c)(3)of this permit, compliance wit the operational standards shall be demonstrated by the following: Compliance with the Condition 3 – Table 1(f)(3)(iii)(B), (C), and (D) shall be demonstrated by record keeping.	Record keeping of compliance with operational standards in accordance with Condition 3 - Table 1 (f)(3)(xi)(B).	NO	

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Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(H)(1)	4	Positive pressure detected at wellhead.

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min) 0:00

5. Probable Cause of Deviation	6. Corrective Action
See Attachment B for additonal information.	

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

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Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(I)(1)	4	Oxygen level 5% or greater detected at wellhead.

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min) 0:00

5. Probable Cause of Deviation	6. Corrective Action
See Attachment C for additional information.	

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

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Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(I)(1)	4	Temperature greater than 131°F detected at the wellhead.

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min) 0:00

5. Probable Cause of Deviation	6. Corrective Action
See Attachment C for additional information.	

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(iii)(J)	4	Methane surface emissions detected greater than or equal to 500 ppm.

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min) 0:00

5. Probable Cause of Deviation	6. Corrective Action
See Attachment D for additional information.	

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(x)(E)	4	3rd Quarter 2017 H2S results submitted after the end of 4th quarter

4. Deviation Duration		
4.1 Date (month/day/year) Beginning: 00/00/0000 Ending: 00/00/0000	4.2 Time (hr:min) Start: 00:00 End: 00:00	4.3 Duration (hr:min)

5. Probable Cause of Deviation	6. Corrective Action
Administrative oversite	Submit with 4th quarter results on January 23, 2018

7. Deviation Reporting		
7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (c)(1)(xi)(F)(2)	4	In the 4th quarter of 2017, a surface emission exceedance was recorded at vertical well CILFG259 on December 12, 2017. Active landfilling operations moved to directly around this well and the 10-day remonitoring could not be performed due to safety concerns.

4. Deviation Duration

4.1 Date (month/day/year)	4.2 Time (hr:min)	4.3 Duration (hr:min)
Beginning: 12/22/2017 Ending: 12/29/2017	Start: 00:00 End: 00:00	

5. Probable Cause of Deviation	6. Corrective Action
Safety issue of monitoring during active landfilling.	Well was remonitored on December 29, 2017.

7. Deviation Reporting

7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (d)(1)(x)(B)(2)	5	Landfill gas plant and flare down for longer than 1 hour during normal operating hours.

4. Deviation Duration

4.1 Date (month/day/year)	4.2 Time (hr:min)	4.3 Duration (hr:min)
Beginning: 11/16/2017 Ending: 11/16/2017	Start: 12:58 End: 15:36	2 hours 38 minutes

5. Probable Cause of Deviation	6. Corrective Action
Due to electrical breaker malfunction, DSWA had to run off of power supplied by a 65kW emergency generator. This shut down was caused by a controlled switchover to this temporary power source.	DSWA restored power once temporary electrical connections were established.

7. Deviation Reporting

7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 2 (Revision 2) Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 4 - SEMI-ANNUAL REPORT - IDENTIFICATION OF DEVIATION

1. Permit Term or Condition for which there is a Deviation	2. Emission Unit Identification	3. Deviation Description
Condition 3 - Table 1 (d)(1)(x)(B)(2)	5	Landfill gas plant and flare down for longer than 1 hour during normal operating hours.

4. Deviation Duration

4.1 Date (month/day/year)	4.2 Time (hr:min)	4.3 Duration (hr:min)
Beginning: 11/20/2017 Ending: 11/20/2017	Start: 12:37 End: 14:06	1 hour 29 minutes

5. Probable Cause of Deviation	6. Corrective Action
Due to electrical breaker malfunction, DSWA had to run off of power supplied by a 65kW emergency generator. The 65kW emergency generator could only power the flare. DSWA switched to a 200kW generator to enable use of both the flare and gas plant. This shut down was caused by a controlled switchover to this temporary power source.	DSWA restored power once temporary electrical connections were established.

7. Deviation Reporting

7.1	Was this deviation required by your permit to be reported previously?	NO
7.2	Was this deviation reported previously?	NO
7.2(a)	If yes, provide the date the report was submitted:	00/00/0000

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: Cherry Island Landfill Operating Permit Number: AQM-003/00111 Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 5 – ADDITIONAL INFORMATION

Emission Unit Identification	Additional Information
N/A	N/A

Regulation No. 30 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: Cherry Island Landfill Operating Permit Number: AQM-003/00111 Reporting Period: 07/01/2017 TO 12/31/2017

TABLE 6 – ADDITIONAL INFORMATION – LIST OF ATTACHMENTS

Attachment #	Emission Unit Identification	Description/Document Title
A	2,3, and 5	Gas Plant Down Times and Flare Operations Log
B	4	Wellhead Pressure Exceedances
C	4	Wellhead Oxygen and Temperature Exceedances
D	4	Surface Emission Monitoring Exceedances
E	4	List of New Wellheads
F	4	Site Drawing
G	All	Addendum to Table 1 - New Conditions from AQM-003/00111-Renewal 3 Reported for Period 8/1/2017 to 12/31/2017
H	All	Addendum to Table 3 - New Conditions from AQM-003/00111-Renewal 3 Reported for Period 8/1/2017 to 12/31/2017

Attachment A

Collection Systems Operations Log
Cherry Island Landfill
July 1, 2017 through December 31, 2017

Condition 3 - Table 1 (b)(1)(iii)(D), (c)(1)(x)(C)(2), (d)(1)(x)(B)(1) and (2) Emission Units 2, 3 and 5

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
7/1/17			0			0	24	
7/2/17			0			0	24	
7/3/17			0			0	24	
7/4/17			0			0	24	
7/5/17			0			0	24	
7/6/17			0			0	24	
7/7/17			0			0	24	
7/8/17			0			0	24	
7/9/17			0	21:24	21:46	0.36	21.66	Flare starts and stops to maintain vacuum
7/9/17				21:59		1.98		Flare starts and stops to maintain vacuum
7/10/17			0		6:15	6.25	17.75	Flare starts and stops to maintain vacuum
7/11/17			0			0	24	
7/12/17			0			0	24	
7/13/17			0			0	24	
7/14/17			0			0	24	
7/15/17			0	12:34	7:05	7.65	12.59	Flare starts and stops to maintain vacuum
7/15/17				20:14		3.76		Flare starts and stops to maintain vacuum
7/16/17			0		9:06	9.10	14.90	Flare starts and stops to maintain vacuum
7/17/17			0	12:12	12:17	0.08	23.92	Power glitch
7/18/17			0			0	24	
7/19/17			0	7:50	8:11	0.35	22.14	Closing of valves for Rosey's to clean out drains
7/19/17				11:22	12:53	1.51		Closing of valves for Rosey's to clean out drains
7/20/17			0			0	24	
7/21/17			0			0	24	
7/22/17			0			0	24	

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
7/23/17			0			0	24	
7/24/17			0			0.00	24	
7/25/17	06:05	07:20	1.25	14:36	14:43	0.11	23.89	Problems at Cummins
7/25/17	07:49	19:18	1.48			0		Problems at Cummins
7/25/17	09:41	10:43	1.03			0		Problems at Cummins
7/25/17	13:46	14:30	0.73			0		Problems at Cummins
7/25/17	15:21	16:10	0.81			0		Problems at Cummins
7/26/17	7:56	8:18	0.36			0	24	Problems at Cummins
7/26/17	17:00	17:19	0.31					Problems at Cummins
7/27/17	2:07	2:56	0.81			0	24	Problems at Cummins
7/28/17			0			0	24	
7/29/17			0			0	24	
7/30/17	6:16	7:05	0.81	06:16	7:24	1.13	22.87	Power glitch
7/31/17			0			0	24	
8/1/17			0			0	24	
8/2/17			0	13:09	13:48	0.65	22.99	Flare starts and stops to maintain vacuum
8/2/17				14:32	14:54	0.36		Flare starts and stops to maintain vacuum
8/3/17			0			0	24	
8/4/17			0			0	24	
8/5/17			0	20:40	23:30	2.83	21.17	Flare starts and stops to maintain vacuum
8/6/17			0	0:42	0:47	0.08	23.92	Flare starts and stops to maintain vacuum
8/7/17			0			0	24	
8/8/17			0	1:27	5:21	3.90	16.32	Flare starts and stops to maintain vacuum
8/8/17				19:59		3.78		Flare starts and stops to maintain vacuum
8/9/17			0		6:18	6.30	17.70	Flare starts and stops to maintain vacuum
8/10/17			0	12:11	6:09	5.75	18.25	Flare starts and stops to maintain vacuum
8/11/17			0	4:57	5:02	0.08	23.89	Flare starts and stops to maintain vacuum
8/11/17				6:55	6:57	0.03		Flare starts and stops to maintain vacuum
8/12/17			0	12:08	6:37	6.28	17.72	Flare starts and stops to maintain vacuum

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
8/13/17			0			0	24	
8/14/17			0	5:21	5:29	0.13	23.62	Flare starts and stops to maintain vacuum
8/14/17				15:35	15:50	0.25		Flare starts and stops to maintain vacuum
8/15/17			0			0	24	
8/16/17	13:28	13:58	0.5			0	24	High O2
8/17/17			0			0	24	
8/18/17			0			0	24	
8/19/17			0	3:52	6:53	3.00	16.45	Flare starts and stops to maintain vacuum
8/19/17				7:42	12:09	4.55		Flare starts and stops to maintain vacuum
8/20/17			0			0	24	
8/21/17			0	3:05	5:11	2.10	21.90	Flare starts and stops to maintain vacuum
8/22/17			0			0	24	
8/23/17			0			0	24	
8/24/17			0			0	24	
8/25/17			0			0	24	
8/26/17			0			0	24	
8/27/17			0			0	24	
8/28/17			0			0	24	
8/29/17			0			0	24	
8/30/17			0			0	24	
8/31/17			0			0	24	
9/1/17			0			0	24	
9/2/17			0			0	24	
9/3/17			0			0	24	
9/4/17			0			0	24	
9/5/17			0			0	24	
9/6/17			0			0	24	
9/7/17			0			0	24	
9/8/17			0			0	24	

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
9/9/17			0			0	24	
9/10/17			0			0	24	
9/11/17			0			0	24	
9/12/17			0			0	24	
9/13/17			0			0	24	
9/14/17			0			0	24	
9/15/17			0			0	24	
9/16/17			0			0	24	
9/17/17			0			0	24	
9/18/17			0			0	24	
9/19/17			0			0	24	
9/20/17			0			0	24	
9/21/17	11:02	13:45	2.71	10:52	11:23	0.51	23.49	Plant shutdown while we were working on blackhawk pump in k/o pot
9/22/17	10:10	10:55	0.75	7:42	7:55	0.21	23.33	Plant shutdown while we were working on blackhawk pump in k/o pot
9/22/17				9:58	10:26	0.46		Plant shutdown while we were working on blackhawk pump in k/o pot
9/23/17			0			0	24	
9/24/17			0			0	24	
9/25/17			0			0	24	
9/26/17	1:45	12:45	11	12:48	13:03	0.25	23.75	Power failure at Croda, Cummins shutdown
9/27/17			0			0	24	
9/28/17			0			0	24	
9/29/17			0			0	24	
9/30/17			0			0	24	
10/1/17			0			0	24	
10/2/17	7:15	8:06	0.85	7:15	7:26	0.18	23.82	Power Glitch
10/3/17			0			0	24	
10/4/17			0			0	24	
10/5/17			0			0	24	
10/6/17			0			0	24	

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
10/7/17			0			0	24	
10/8/17			0			0	24	
10/9/17			0			0	24	
10/10/17			0			0	24	
10/11/17			0			0	24	
10/12/17	8:22		15.64			0	24	Cummins shutdown for yearly outage
10/13/17			24	7:58	8:48	0.83	23.04	Cummins shutdown/Lining out flare
10/13/17				10:52	11:00	0.13		Cummins shutdown/Lining out flare
10/14/17			24			0	24	Cummins shutdown for yearly outage
10/15/17			24			0	24	Cummins shutdown for yearly outage
10/16/17			24			0	24	Cummins shutdown for yearly outage
10/17/17			24			0	24	Cummins shutdown for yearly outage
10/18/17			24			0	24	Cummins shutdown for yearly outage
10/19/17			24			0	24	Cummins shutdown for yearly outage
10/20/17			24			0	24	Cummins shutdown for yearly outage
10/21/17			24			0	24	Cummins shutdown for yearly outage
10/22/17			24			0	24	Cummins shutdown for yearly outage
10/23/17	9:35	09:12	9.2	8:59	9:18	0.31	23.69	Cummins ready for startup
10/23/17	12:53	11:41	2.1					Croda and treatment plant having problems
10/23/17		14:55	2.03					Croda and treatment plant having problems
10/24/17			0			0	24	
10/25/17	10:28	11:05	0.62	10:28	11:25	0.95	23.05	Croda and treatment plant having problems
10/25/17	11:18	11:21	0.05					Croda and treatment plant having problems
10/25/17	14:15		9.75					Croda and treatment plant having problems
10/26/17			24			0	24	Croda and treatment plant having problems
10/27/17			24			0	24	Croda and treatment plant having problems
10/28/17			24			0	24	Croda and treatment plant having problems
10/29/17			24			0	24	Croda and treatment plant having problems
10/30/17			24			0	24	Croda and treatment plant having problems

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
10/31/17			24			0	24	Croda and treatment plant having problems
11/1/17		14:02	14.03			0	24	Shutdown due to problems at Cummins
11/1/17	14:48		9.2					Shutdown due to problems at Cummins
11/2/17				9:18	9:28	0.16	23.14	Rosie's cleaning out sumps
11/2/17				10:33	10:37	0.06		Rosie's cleaning out sumps
11/2/17				10:45	10:48	0.05		Rosie's cleaning out sumps
11/2/17		13:23	13.38	13:21	13:47	0.43		Cummins gave the okay to start up
11/2/17				14:03	14:13	0.16		Tripped on low flow
11/3/17	18:00	19:37	1.61	18:00	19:54	1.90	22.02	Power failure at site
11/3/17				20:09	20:14	0.08		Flare tripped while switching compressors
11/4/17			0			0	24	
11/5/17			0			0	24	
11/6/17			0			0	24	
11/7/17			0			0	24	
11/8/17	7:03	7:29	0.43	7:03	7:41	0.63	23.37	Power glitch
11/9/17			0	2:07	2:19	0.20	21.97	Flare stopped to control vacuum
11/9/17				2:54	4:09	1.25		Flare stopped to control vacuum
11/9/17				6:13	6:48	0.58		Flare stopped to control vacuum
11/10/17			0			0	24	
11/11/17	1:26	2:24	0.96				19.29	Having electrical troubles with breaker
11/11/17	4:48	5:22	0.56	5:12				Having electrical troubles with breaker
11/11/17	6:50		17.17		8:47	3.58		Having electrical troubles with breaker
11/11/17				9:39	10:47	1.13		Having electrical troubles with breaker
11/12/17			24			0	24	Having electrical troubles with breaker
11/13/17			24	19:38	19:54	0.26	23.74	Pressure transmitter conflict
11/14/17			24			0	24	Having electrical troubles with breaker
11/15/17			24			0	24	Having electrical troubles with breaker
11/16/17			24	9:35	10:48	1.21	19.86	Breaker Tripped
11/16/17				12:39	15:35	2.93		Hooking up 65kW rental generator

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
11/17/17			24			0	24	Running flare on 65kW rental generator
11/18/17			24			0	24	Running flare on 65kW rental generator
11/19/17			24			0	24	Running flare on 65kW rental generator
11/20/17		14:23	14.38	12:37	14:06	1.48	21.94	Switched over to a 200kW generator
11/20/17	14:43	15:18	0.58	14:19	14:40	0.35		shutdown flare to start up
11/20/17				23:46		0.23		Flare tripped when C4 came on
11/21/17					0:06	0.10	22.12	Plant shutdown due to high Oxygen
11/21/17	0:21	7:03	6.7					Cummins coming on line
11/21/17	7:26	7:52	0.43	8:07	8:23	0.26		Cummins coming on line
11/21/17	8:27	8:47	0.33					Cummins coming on line
11/21/17	20:26	20:41	0.25					Cummins having trouble
11/21/17	20:43	20:59	0.26	20:43	22:14	1.52		Cummins having trouble
11/21/17	20:11		3.81					Cummins having trouble
11/22/17		10:49	10.81	0.45	10:53	0.15	23.29	Cummins having trouble
11/22/17	10:54	19:40	8.76	0.82	19:49	0.05		Cummins having trouble
11/22/17	21:28	21:35	0.11	20:10	20:21	0.18		Cummins having trouble
11/22/17				21:19	21:39	0.33		Cummins having trouble
11/23/17	8:16	9:14	0.96			0	24	Cummins having trouble
11/24/17			0			0	24	
11/25/17			0			0	24	
11/26/17			0			0	24	
11/27/17			0			0	24	
11/28/17			0			0	24	
11/29/17			0			0	24	
11/30/17			0			0	24	
12/1/17			0			0	24	
12/2/17			0			0	24	
12/3/17			0			0	24	
12/4/17	7:05	7:28	0.38	7:05	9:25	2.33	20.46	Generator ran out of fuel

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
12/4/17	8:01	8:05	0.06					Electrical Switch Over
12/4/17	15:48	16:45	0.95	15:48	17:01	1.21		Electrical Switch Over
12/5/17			0	7:53	13:11	5.06	18.94	Replace Surge Protector
12/6/17			0	9:10	9:43	0.55	22.00	Tripped on high vacuum
12/6/17				12:36	14:03	1.45		Tripped on high vacuum
12/7/17			0			0	24	
12/8/17			0			0	24	
12/9/17			0	13:07		10.88	13.12	valve froze up
12/10/17			0		10:54	10.90	13.10	valve froze up
12/11/17			0			0	24	
12/12/17			0			0	24	
12/13/17			0			0	24	
12/14/17			0			0	24	
12/15/17			0			0	24	
12/16/17	8:58		15.04	7:51	11:24	3.55	19.87	Problem with valve 121
12/16/17				11:36	12:11	0.58		Problem with valve 121
12/17/17			24			0	24	Repaired problem with valve 121
12/18/17		10:04	10.06				23.24	Cummins having problems
12/18/17	10:17	11:00	0.71	9:58	10:44	0.76		Cummins having problems
12/19/17			0			0	24	
12/20/17			0	11:07	11:13	0.10	23.90	Flare tripped lost communication
12/21/17			0			0	24	Cummins having problems
12/22/17	14:27	14:51	0.4	14:27	15:02	0.48	23.07	Cummins having problems
12/22/17	15:13	15:19	0.1	16:05	16:32	0.45		Cummins having problems
12/23/17			0			0	24	
12/24/17			0			0	24	
12/25/17			0			0	24	
12/26/17	18:04	20:38	2.56	20:30	22:25	1.91	21.73	Cummins having problems
12/26/17	21:18	21:20	0.03	22:36	22:58	0.36		Cummins having problems

Date	Plant Stopped	Plant Started	Down time Hours	PEI Flare Stopped	PEI Flare Started	Down time Hours	Run Hours	Reason
12/26/17	21:46	21:54	0.13					Cummins having problems
12/27/17	6:10	6:36	0.43	6:39	7:08	0.48	23.52	Cummins having problems
12/27/17	8:43	8:45	0.03					Cummins having problems
12/27/17	9:01	9:06	0.08					Cummins having problems
12/27/17	11:32	14:19	2.78					Cummins having problems
12/27/17	20:12	20:28	0.26					Cummins having problems
12/28/17	2:16	3:29	1.21	12:39	12:59	0.33	22.01	Cummins having problems
12/28/17	3:40	3:47	0.11	13:44	14:26	0.70		Cummins having problems
12/28/17	8:18	8:45	0.45					Cummins having problems
12/28/17	14:19	14:23	0.06					Cummins having problems
12/28/17	20:23	20:27	0.06	20:31	21:29	0.96		Cummins having problems
12/29/17			0	4:30	6:35	2.08	21.92	Cummins having problems
12/30/17	14:23	14:47	0.4	14:23	15:12	0.81	23.19	Cummins having problems
12/31/17	8:33	8:37	0.06	8:40	9:36	0.93	20.76	Cummins having problems
12/31/17	10:08	10:13	0.08					Cummins having problems
12/31/17	10:56	13:23	2.45					Cummins having problems
12/31/17	13:28	13:38	0.16	13:28	15:47	2.31		Cummins having problems
12/31/17	13:48		10.2					Cummins having problems

Attachment B

WELLHEAD MONITORING RESULTS
PRESSURE EXCEEDANCES (with passing read shown)
Cherry Island Landfill
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Condition 3 - Table I (c)(1)(x)(C) Emission Unit 4

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
July							
CILFG004	7/27/2017 8:03	30.7	0.4	0.00	71.9		Increased Vacuum
CILFG004	7/27/2017 8:06	30.0	0.0	-0.10	72.6	<1	Re Check
CILFG011	7/27/2017 8:20	31.8	0.3	0.34	74.8		Increased Vacuum
CILFG011	7/27/2017 8:23	31.0	0.2	-0.68	75.9	<1	Re Check
CILFG038	7/26/2017 13:55	53.0	0.2	0.04	85.7		Increased Vacuum
CILFG038	7/26/2017 13:58	53.1	0.0	-0.23	82.1	<1	Re Check
CILFG094R	7/26/2017 10:00	58.2	0.4	0.16	122.1		Increased Vacuum
CILFG094R	7/26/2017 10:03	58.3	0.0	-0.25	122.1	<1	Re Check
CILFG109	7/17/2017 14:43	29.0	7.8	-9.76	91.5		Decreased Vacuum
CILFG109	7/17/2017 14:46	29.3	7.7	-9.76	91.0		Decreased Vacuum
CILFG109	7/20/2017 8:18	29.0	7.9	-8.52	86.8		Decreased Vacuum
CILFG109	7/20/2017 8:20	0.6	20.3	-6.28	87.6		Increased Vacuum
CILFG109	7/26/2017 19:58	61.8	0.6	0.76	79.3		Increased Vacuum
CILFG109	7/27/2017 9:20	49.0	3.6	-6.23	82.2	10	Re Check
CILFG207R	7/10/2017 10:32	58.8	0.1	14.62	128.2		Increased Vacuum
CILFG207R	7/10/2017 10:35	59.3	0.0	-30.90	136.2		Opened Fully
CILFG207R	7/17/2017 10:19	54.8	1.4	-30.58	136.0		Decreased Vacuum
CILFG207R	7/17/2017 10:22	54.4	1.1	-8.35	128.5	7	Re Check
CILFG241	7/10/2017 10:00	59.0	0.1	1.40	88.0		Increased Vacuum
CILFG241	7/10/2017 10:02	58.0	0.3	-16.96	88.4	<1	Re Check
CILFG283	7/27/2017 10:00	61.8	0.0	0.00	84.0		Increased Vacuum
CILFG283	7/27/2017 10:04	61.1	0.0	0.10	95.0		Connected for Read
CILFG283	7/27/2017 13:02	60.7	0.3	0.00	97.0		Increased Vacuum
CILFG283	7/27/2017 13:04	59.9	1.7	-7.20	98.0	<1	Connected for Read
CILFG302	7/11/2017 8:21	55.7	0.2	38.08	132.3		Increased Vacuum
CILFG302	7/11/2017 8:23	56.6	0.0	-16.10	139.8		Opened Fully
CILFG302	7/17/2017 10:45	56.3	0.3	-27.78	135.9		Decreased Vacuum
CILFG302	7/17/2017 10:48	57.1	0.0	-11.17	129.7	6	Re Check
August							
CILFG007	8/28/2017 11:05	61.9	0.0	0.06	80.1		Increased Vacuum
CILFG007	8/28/2017 11:08	62.0	0.0	-0.56	80.3	<1 day	Re Check
CILFG011	8/28/2017 13:10	28.1	0.0	0.08	83.3		Increased Vacuum
CILFG011	8/28/2017 13:13	27.8	0.0	-1.33	82.9	<1 day	Re Check
CILFG094R	8/16/2017 9:24	29.5	9.3	-6.25	108.9		Decreased Vacuum
CILFG094R	8/16/2017 9:27	57.5	0.0	0.29	115.9		Increased Vacuum
CILFG094R	8/16/2017 9:29	46.4	3.3	-0.87	116.0	<1 day	Re Check
CILFG125	8/8/2017 9:06	31.9	0.2	0.27	77.9		Increased Vacuum
CILFG125	8/8/2017 9:08	38.6	0.0	-5.57	84.8	<1 day	Re Check
CILFG134	8/8/2017 7:12	67.4	0.2	0.06	67.0		Increased Vacuum
CILFG134	8/8/2017 7:14	67.7	0.0	-0.51	68.1	<1 day	Re Check
CILFG188	8/21/2017 9:43	64.0	0.0	0.10	89.0		Connected for Read
CILFG188	8/23/2017 8:19	57.2	0.9	-6.40	83.0	<1 day	Connected for Read

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFG207R	8/9/2017 9:17	59.4	0.2	9.35	130.7		Increased Vacuum
CILFG207R	8/9/2017 9:19	59.6	0.0	-10.05	135.1		Decreased Vacuum
CILFG207R	8/10/2017 9:23	58.5	0.3	-13.70	133.0		Increased Vacuum
CILFG207R	8/10/2017 9:25	58.4	0.2	-24.87	133.8		Fully Open
CILFG207R	8/14/2017 10:25	50.7	1.6	-34.18	135.3		Decreased Vacuum
CILFG207R	8/14/2017 10:28	50.5	1.5	-33.56	135.5		Decreased Vacuum
CILFG207R	8/16/2017 7:28	53.9	1.2	-31.24	134.8		Decreased Vacuum
CILFG207R	8/16/2017 7:30	54.4	0.9	-9.30	128.9	7 days	Re Check
CILFG264	8/28/2017 13:36	18.4	0.0	0.98	85.6		Increased Vacuum
CILFG264	8/28/2017 13:38	18.6	0.0	-1.53	86.8	<1 day	Re Check
CILFHC06	8/8/2017 10:00	59.8	0.1	0.41	72.0		Increased Vacuum
CILFHC06	8/8/2017 10:03	52.9	2.1	-1.90	71.7	<1 day	Re Check
September							
CILFG013	9/12/2017 10:13	51.8	0.0	0.03	76.2		Decreased Vacuum
CILFG013	9/12/2017 10:15	51.6	0.0	-0.04	77.5	< 1 day	Re Check
CILFG023	9/12/2017 9:57	44.6	0.1	0.02	75.3		Decreased Vacuum
CILFG023	9/12/2017 9:59	44.5	0.0	-0.13	74.8	< 1 day	Re Check
CILFG121R2	9/27/2017 13:56	55.6	0.0	6.53	114.7		Decreased Vacuum
CILFG121R2	9/27/2017 13:59	55.3	0.0	-12.69	115.1	< 1 day	Re Check
CILFG135R	9/19/2017 9:30	57.3	0.0	0.00	115.0		Decreased Vacuum
CILFG135R	9/20/2017 10:33	45.0	3.8	-3.62	116.0	< 1 day	Re Check
CILFG202R	9/25/2017 13:36	59.0	0.2	-13.67	135.5		Decreased Vacuum
CILFG202R	9/25/2017 13:38	59.0	0.0	-3.64	135.1		Increased Vacuum
CILFG202R	9/27/2017 9:10	58.1	0.1	7.52	138.3		Increased Vacuum
CILFG202R	9/27/2017 9:13	58.8	0.0	-12.86	137.6		Increased Vacuum
CILFG202R	10/2/2017 14:50	59.2	0.1	-16.51	135.6		Decreased Vacuum
CILFG202R	10/2/2017 14:52	58.7	0.0	-0.30	136.9		Increased Vacuum
CILFG202R	10/4/2017 13:03	59.5	0.2	7.62	139.2		Increased Vacuum
CILFG202R	10/4/2017 13:06	60.1	0.0	-17.09	138.3		Fully Open
CILFG202R	10/5/2017 14:14	58.6	0.1	-14.08	135.3		Decreased Vacuum
CILFG202R	10/5/2017 14:17	59.0	0.0	-0.04	136.4		Increased Vacuum
CILFG202R	10/5/2017 14:19	58.9	0.0	-14.24	135.7		Opened Fully
CILFG202R	10/9/2017 13:43	58.4	0.1	-14.52	135.0		Increased Vacuum
CILFG202R	10/9/2017 13:46	58.5	0.0	-16.33	135.2		Decreased Vacuum
CILFG202R	10/10/2017 8:42	58.4	0.3	-14.12	134.8		Decreased Vacuum
CILFG202R	10/10/2017 8:44	58.7	0.0	-14.61	134.9		Decreased Vacuum
CILFG202R	10/10/2017 14:07	58.3	0.3	-23.96	134.6		Fully Open
CILFG202R	10/20/2017 8:15	57.9	0.4	-18.43	133.6		Decreased Vacuum
CILFG202R	10/20/2017 8:17	58.2	0.0	-18.01	134.0		Opened Fully
CILFG202R	10/25/2017 16:28	57.5	0.2	-20.07	134.2		Decreased Vacuum
CILFG202R	10/25/2017 16:31	57.2	0.0	-5.23	135.2		System expansion 10/27/17
CILFG202R	11/8/2017 13:26	55.0	0.7	-25.76	130.8	44 days	Re Check
CILFHB07	9/26/2017 10:25	60.9	0.0	0.20	79.0		Decreased Vacuum
CILFHB07	9/28/2017 8:26	59.6	0.3	-9.73	87.8	< 1 day	Re Check
October							
CILFG005	10/17/2017 13:31	12.2	0.1	0.05	73.9		Increased Vacuum
CILFG005	10/17/2017 13:35	10.0	0.0	-0.24	74.3	<1 day	Re Check
CILFG008	10/17/2017 13:44	32.9	0.0	0.04	76.8		Increased Vacuum
CILFG008	10/17/2017 13:45	32.7	0.0	-0.11	78.0	<1 day	Re Check
CILFG010	10/18/2017 10:28	28.8	0.1	0.03	69.5		Increased Vacuum
CILFG010	10/18/2017 10:30	35.8	0.0	-0.06	86.3	<1 day	No Change
CILFG013	10/18/2017 14:57	45.8	0.0	0.03	80.4		Increased Vacuum
CILFG013	10/18/2017 14:59	45.4	0.0	-0.22	82.3	<1day	Re Check

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFG016	10/17/2017 13:52	19.7	0.0	0.00	84.6		Increased Vacuum
CILFG016	10/17/2017 13:54	19.3	0.0	-0.11	86.1	<1 day	Re Check
CILFG030	10/18/2017 14:16	55.4	0.0	0.11	82.8		Decreased Vacuum
CILFG030	10/18/2017 14:18	54.3	0.0	-0.17	81.9	<1 day	Re Check
CILFG094R	10/4/2017 13:19	59.4	0.0	0.40	122.2		Increased Vacuum
CILFG094R	10/4/2017 13:22	53.8	1.2	-1.47	122.4	<1 day	Re Check
CILFG134	10/17/2017 8:36	66.2	0.1	0.04	49.0		Increased Vacuum
CILFG134	10/17/2017 8:38	66.3	0.0	-0.35	58.8	<1 day	Re Check
CILFG207R	10/5/2017 14:41	59.7	0.1	15.30	127.2		Increased Vacuum
CILFG207R	10/5/2017 14:43	60.3	0.0	-10.39	135.8		Opened Fully
CILFG207R	10/9/2017 13:11	55.9	1.0	-14.97	135.3		Decreased Vacuum
CILFG207R	10/9/2017 13:16	58.2	0.3	0.05	130.2		Increased Vacuum
CILFG207R	10/9/2017 13:20	59.0	0.2	0.28	130.5		Increased Vacuum
CILFG207R	10/9/2017 13:22	58.9	0.2	-3.65	133.3		Increased Vacuum
CILFG207R	10/11/2017 13:20	59.6	0.0	-3.21	134.5		Increased Vacuum
CILFG207R	10/11/2017 13:25	59.6	0.0	-11.98	136.4		Fully Open
CILFG207R	10/20/2017 8:02	56.5	1.1	-13.81	135.5		Decreased Vacuum
CILFG207R	10/20/2017 8:04	57.5	0.6	-0.25	125.2	15 days	Re Check
CILFG307	10/23/2017 14:17	59.0	0.0	0.80	81.0		Connected for Read
CILFG307	10/25/2017 15:56	58.9	0.0	-15.79	102.1	<1day	Re Check
November							
CILFG003	11/13/2017 13:42	64.2	0.1	0.02	46.3		Increased Vacuum
CILFG003	11/13/2017 13:44	64.4	0.0	-0.33	56.7	<1 day	Re Check
CILFG007	11/13/2017 13:35	64.0	0.1	0.05	47.2		Increased Vacuum
CILFG007	11/13/2017 13:37	64.1	0.0	-0.13	50.5	<1 day	Re Check
CILFG008	11/14/2017 8:58	40.1	0.1	0.02	65.0		Increased Vacuum
CILFG008	11/14/2017 9:00	40.0	0.0	-0.10	66.2	<1 day	Re Check
CILFG010	11/13/2017 13:20	61.9	0.1	0.01	70.3		Increased Vacuum
CILFG010	11/13/2017 13:23	62.1	0.0	-0.68	81.4	<1 day	Re Check
CILFG023	11/14/2017 8:33	43.8	0.0	0.03	49.6		Increased Vacuum
CILFG023	11/14/2017 8:38	41.8	0.0	-0.01	52.3	<1 day	Re Check
CILFG024	11/13/2017 14:32	72.0	0.0	0.42	49.4		Increased Vacuum
CILFG024	11/13/2017 14:34	71.1	0.0	-0.69	52.5	<1 day	Re Check
CILFG025	11/14/2017 8:21	58.7	0.0	0.05	57.5		Increased Vacuum
CILFG025	11/14/2017 8:23	58.0	0.0	-0.11	55.0	<1 day	Re Check
CILFG026	11/14/2017 8:24	41.7	0.1	0.07	50.5		Increased Vacuum
CILFG026	11/14/2017 8:27	41.2	0.0	-0.14	56.7	<1 day	Re Check
CILFG027	11/14/2017 8:12	64.8	0.0	0.05	47.3		Increased Vacuum
CILFG027	11/14/2017 8:14	64.6	0.0	-0.12	43.5	<1 day	Re Check
CILFG030	11/14/2017 8:04	62.9	0.2	0.04	50.1		Increased Vacuum
CILFG030	11/14/2017 8:07	62.9	0.0	-0.03	53.0	<1 day	Re Check
CILFG035	11/14/2017 8:05	54.4	0.2	0.02	54.1		Increased Vacuum
CILFG035	11/14/2017 8:07	54.8	0.0	-0.26	51.6	<1 day	Re Check
CILFG087	11/15/2017 8:48	57.6	0.1	0.18	86.8		Increased Vacuum
CILFG087	11/15/2017 8:50	57.8	0.0	-0.29	94.5	<1 day	Re Check
CILFHC03	11/16/2017 9:27	50.5	0.1	0.01	56.6		Increased Vacuum
CILFHC03	11/16/2017 9:29	50.4	0.0	-0.27	56.5	<1 day	Re Check
CILFHC15	11/15/2017 10:54	59.1	0.1	0.02	60.5		Increased Vacuum
CILFHC15	11/15/2017 10:56	59.4	0.0	-0.53	59.5	<1 day	Re Check

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
December							
CILFG004	12/6/2017 14:31	37.6	0.1	0.04	51.5		Increased Vacuum
CILFG004	12/6/2017 14:33	38.1	0.0	-0.03	46.3	< 1 day	Re Check
CILFG027	12/8/2017 9:09	64.7	0.2	0.11	42.9		Increased Vacuum
CILFG027	12/8/2017 9:11	64.8	0.0	-1.90	51.7	< 1 day	Re Check
CILFG078R	12/12/2017 14:18	60.2	0.0	0.83	106.2		Increased Vacuum
CILFG078R	12/12/2017 14:20	60.4	0.0	-3.49	109.1	< 1 day	Re Check
CILFG096	12/19/2017 10:16	59.5	0.1	0.05	87.0		Increased Vacuum
CILFG096	12/19/2017 10:19	59.6	0.0	-0.49	93.9	< 1 day	Re Check
CILFG156R	12/19/2017 7:40	58.4	0.1	25.40	101.0		Increased Vacuum
CILFG156R	12/19/2017 7:57	58.3	0.1	-0.10	101.0	< 1 day	Re Check
CILFG202R	12/1/2017 12:51	59.5	0.1	-18.17	134.5		Decreased Vacuum
CILFG202R	12/1/2017 12:54	58.5	0.0	2.79	127.6		Opened Fully
CILFG202R	12/1/2017 12:57	59.4	0.0	-16.43	135.0		Decreased Vacuum
CILFG202R	12/4/2017 13:01	58.1	0.5	-11.53	130.6	3 days	Re Check
CILFHC15	12/1/2017 10:10	35.0	6.7	-1.41	57.3		Decreased Vacuum
CILFHC15	12/1/2017 10:13	36.2	6.6	-0.43	59.2		Decreased Vacuum
CILFHC15	12/4/2017 13:28	59.7	0.1	0.05	63.0		Increased Vacuum
CILFHC15	12/4/2017 13:31	59.6	0.0	-0.30	61.6	3 days	Re Check

SUMMARY OF PRESSURE EXCEEDANCES
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Month	Number of Vertical Wells with Pressure Exceedances	Number of Horizontal Collectors with Pressure Exceedances
July	9	0
August	8	1
September	5	1
October	10	0
November	12	2
December	6	1

Attachment C

WELLHEAD MONITORING RESULTS
OXYGEN EXCEEDANCES (with passing read shown)
Cherry Island Landfill
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Condition 3 - Table 1 (c)(1)(x)(C) Emission Unit 4

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
July							
CILFG078R	7/11/2017 14:14	40.7	6.3	-26.14	107.8		Decreased Vacuum
CILFG078R	7/11/2017 14:17	35.7	7.6	-15.54	104.7		Decreased Vacuum
CILFG078R	7/17/2017 11:24	42.5	6.0	-7.34	108.3		Decreased Vacuum
CILFG078R	7/17/2017 11:27	46.7	4.8	-0.73	106.8	6	Re Check
CILFG095	7/26/2017 9:44	20.9	12.1	-8.51	102.1		Decreased Vacuum
CILFG095	7/26/2017 9:49	23.3	11.3	-4.29	101.1		Decreased Vacuum
CILFG095	7/27/2017 10:44	26.6	10.6	-5.65	103.2		Decreased Vacuum
CILFG095	7/27/2017 10:46	28.0	10.0	-3.71	102.5		Decreased Vacuum
CILFG095	7/31/2017 12:10	30.4	8.2	-3.36	106.3		Decreased Vacuum
CILFG095	7/31/2017 12:19	34.4	6.9	-0.99	105.3		Decreased Vacuum
CILFG095	8/8/2017 6:41	55.7	1.2	-0.67	90.4	13	Re Check
CILFG109	7/17/2017 14:43	29.0	7.8	-9.76	91.5		Decreased Vacuum
CILFG109	7/17/2017 14:46	29.3	7.7	-9.76	91.0		Decreased Vacuum
CILFG109	7/20/2017 8:18	29.0	7.9	-8.52	86.8		Decreased Vacuum
CILFG109	7/20/2017 8:20	0.6	20.3	-6.28	87.6		Increased Vacuum
CILFG109	7/26/2017 19:58	61.8	0.6	0.76	79.3		Increased Vacuum
CILFG109	7/27/2017 9:20	49.0	3.6	-6.23	82.2	10	Re Check
CILFG228R	7/11/2017 8:48	9.7	15.6	-25.33	84.8		Increased Vacuum
CILFG228R	7/11/2017 8:51	12.4	13.7	-25.59	87.2		Opened Fully
CILFG228R	7/17/2017 10:58	39.6	7.0	-25.15	95.3		Decreased Vacuum
CILFG228R	7/17/2017 11:04	24.9	11.6	-23.33	93.7		Decreased Vacuum
CILFG228R	7/20/2017 8:10	59.7	0.4	-22.71	87.3	9	Re Check
CILFHB06	7/25/2017 8:21	19.8	16.0	-15.60	71.0		Increased Vacuum
CILFHB06	7/25/2017 8:23	24.5	11.1	-14.40	71.0		Connected for Read
CILFHB06	7/25/2017 10:32	42.9	3.2	-17.90	74.0	<1	Connected for Read
CILFHC06	7/11/2017 14:25	27.2	10.9	-8.93	88.0		Decreased Vacuum
CILFHC06	7/11/2017 14:27	23.9	12.0	-4.14	87.5		Decreased Vacuum
CILFHC06	7/17/2017 11:11	13.5	15.8	-6.54	88.0		Increased Vacuum
CILFHC06	7/17/2017 11:15	7.4	17.9	-9.54	87.3		Decreased Vacuum
CILFHC06	7/20/2017 8:27	46.1	4.4	-1.27	84.7	9	Re Check
August							
CILFG044	8/24/2017 10:33	28.6	5.8	-0.49	83.6		No Change
CILFG044	8/28/2017 10:18	27.7	5.4	-0.42	82.2		Increased Vacuum
CILFG044	8/28/2017 10:20	32.4	3.3	-0.96	68.8	4 days	Re Check
CILFG089R	8/8/2017 11:05	48.4	10.5	-7.58	99.7		Decreased Vacuum
CILFG089R	8/8/2017 11:07	50.2	0.2	-2.42	99.6	<1 day	Re Check
CILFG094R	8/16/2017 9:24	29.5	9.3	-6.25	108.9		Decreased Vacuum
CILFG094R	8/16/2017 9:27	57.5	0.0	0.29	115.9		Increased Vacuum
CILFG094R	8/16/2017 9:29	46.4	3.3	-0.87	116.0	<1 day	Re Check
CILFG228R	8/9/2017 9:02	33.9	7.7	-31.60	79.0		Increased Vacuum
CILFG228R	8/9/2017 9:04	32.8	8.3	-32.00	82.0		Decreased Vacuum
CILFG228R	8/9/2017 9:06	33.8	8.2	-32.10	81.0		No Change
CILFG228R	8/10/2017 9:17	48.4	4.8	-31.01	91.6	1 day	Re Check
CILFHB06	8/21/2017 13:56	33.4	10.0	-17.40	88.0		Connected for Read
CILFHB06	8/24/2017 11:08	4.0	18.6	-13.90	83.7		Decreased Vacuum
CILFHB06	8/24/2017 11:11	14.0	16.2	-5.14	83.6		Connected for Read
CILFHB06	9/5/2017 14:12	10.7	17.9	-14.70	90.0		Decreased Vacuum
CILFHB06	9/5/2017 14:13	23.9	12.7	-11.30	89.0	15 days	Decomissioning Well

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ($"H_2O$)	Temperature (°F)	Length of Exceedance (Days)	Comments
September							
CILFG149	9/13/2017 8:41	30.4	6.1	-10.35	94.6		Decreased Vacuum
CILFG149	9/13/2017 8:44	26.1	7.4	-6.27	93.9		Decreased Vacuum
CILFG149	9/18/2017 14:54	32.2	5.9	-5.05	96.5		Decreased Vacuum
CILFG149	9/18/2017 14:56	29.1	6.7	-2.84	96.0		Decreased Vacuum
CILFG149	9/20/2017 10:52	36.3	4.6	-1.00	97.2	7 days	Re Check
CILFG189	9/21/2017 10:22	17.7	13.5	-7.70	89.0		Connected for Read
CILFG189	9/26/2017 10:31	59.2	0.0	-2.70	87.0	5 days	Connected for Read
CILFG191	9/27/2017 10:26	20.7	13.0	-23.79	84.5		Decreased Vacuum
CILFG191	9/27/2017 10:29	42.2	4.8	-24.07	84.6	< 1 day	Re Check
CILFHC01	9/28/2017 13:28	16.5	13.9	-17.09	84.7		Decreased Vacuum
CILFHC01	9/28/2017 13:30	16.3	14.0	-17.19	85.4		Decreased Vacuum
CILFHC01	10/11/2017 10:17	59.3	0.4	-6.76	89.2	13 days	No Change
CILFHC03	9/27/2017 13:39	22.0	8.2	-8.69	89.5		Decreased Vacuum
CILFHC03	9/27/2017 13:43	8.9	12.6	-0.30	89.4		Decreased Vacuum
CILFHC03	10/2/2017 15:09	31.4	0.0	-0.08	77.9	5 days	Re Check
October							
CILFG087	10/24/2017 13:27	26.2	7.3	-17.62	111.5		Decreased Vacuum
CILFG087	10/24/2017 13:33	35.7	4.8	-0.03	105.8	<1 day	Re Check
CILFG095	10/4/2017 13:34	34.0	5.6	-2.02	103.3		Decreased Vacuum
CILFG095	10/4/2017 13:37	42.0	3.4	-0.36	99.8	<1 day	Re Check
November							
CILFG044	11/14/2017 9:58	30.0	6.5	-0.32	61.4		Decreased Vacuum
CILFG044	11/14/2017 10:01	32.7	5.3	-0.35	63.2		Increased Vacuum
CILFG044	11/21/2017 9:13	39.2	3.4	-1.11	72.8	7 days	Re Check
CILFG191	11/15/2017 8:45	21.7	13.3	-22.76	47.2		Decreased Vacuum
CILFG191	11/15/2017 8:47	45.1	4.2	-18.53	47.1	<1 day	Re Check
CILFG228R	11/28/2017 9:18	33.6	6.3	-23.69	48.6		Decreased Vacuum
CILFG228R	11/28/2017 9:22	22.5	11.8	-9.37	48.6		Increased Vacuum
CILFG228R	11/30/2017 10:13	38.2	4.8	-19.06	44.3	2 days	Re Check
CILFG242	11/15/2017 11:07	0.0	21.6	-20.34	84.1		Decreased Vacuum
CILFG242	11/15/2017 11:12	61.8	0.0	-14.25	79.7	<1 day	Re Check
December							
CILFG109	12/19/2017 9:18	28.1	8.1	-10.57	74.5		Decreased Vacuum
CILFG109	12/19/2017 9:23	2.2	15.9	-6.61	64.1		Decreased Vacuum
CILFG109	12/20/2017 9:23	39.0	3.4	-0.45	61.9	1 day	Re Check
CILFG152	12/19/2017 14:05	40.3	5.4	-8.13	98.2		Decreased Vacuum
CILFG152	12/19/2017 14:08	41.3	4.9	-3.14	96.4	< 1 day	Re Check
CILFG157R	12/28/2017 10:41	0.2	18.6	-0.10	31.0		Increased Vacuum
CILFG157R	12/28/2017 10:43	43.7	6.1	-0.30	31.0		Connected for Read
CILFG157R	1/5/2018 10:13	65.1	1.1	-17.89	22.5	8 days	Re Check
CILFG191	12/19/2017 14:43	33.7	7.8	-13.39	62.2		Decreased Vacuum
CILFG191	12/19/2017 14:49	40.7	5.6	-12.83	62.4		Increased Vacuum
CILFG191	12/20/2017 9:41	49.3	3.0	-11.82	48.6	1 day	Re Check
CILFG198	12/13/2017 10:42	26.6	6.5	-17.13	82.1		Decreased Vacuum
CILFG198	12/13/2017 10:44	22.9	7.3	-7.86	80.1		Decreased Vacuum
CILFG198	12/19/2017 8:12	40.4	1.3	-4.15	76.2	6 day	Re Check
CILFG272	12/1/2017 10:18	30.2	6.1	-9.45	83.8		Decreased Vacuum
CILFG272	12/1/2017 10:22	47.6	2.5	-31.92	96.1	< 1 day	Increased Vacuum
CILFG292	12/12/2017 14:21	41.3	5.8	-11.60	48.0		Decreased Vacuum
CILFG292	12/12/2017 14:22	48.9	3.8	-0.68	47.2	< 1 day	Re Check
CILFHC15	12/1/2017 10:10	35.0	6.7	-1.41	57.3		Decreased Vacuum
CILFHC15	12/1/2017 10:13	36.2	6.6	-0.43	59.2		Decreased Vacuum
CILFHC15	12/4/2017 13:28	59.7	0.1	0.05	63.0		Increased Vacuum
CILFHC15	12/4/2017 13:31	59.6	0.0	-0.30	61.6	3 days	Re Check

WELLHEAD MONITORING RESULTS
TEMPERATURE EXCEEDANCES (with passing read shown)
Cherry Island Landfill
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Condition 3 - Table 1 (e)(1)(x)(C) Emission Unit 4

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
July							
CILFG202R	7/11/2017 7:50	56.8	0.1	-23.41	133.7		Decreased Vacuum
CILFG202R	7/11/2017 7:52	56.3	0.0	-6.19	134.0		Opened Fully
CILFG202R	7/18/2017 9:58	57.2	0.3	-21.25	135.0		Decreased Vacuum
CILFG202R	7/18/2017 10:06	57.4	0.0	-8.14	135.2		Decreased Vacuum
CILFG202R	7/20/2017 8:01	58.1	0.1	-12.34	134.7		Increased Vacuum
CILFG202R	7/20/2017 8:04	58.3	0.0	-22.29	134.6		Opened Fully
CILFG202R	7/26/2017 19:50	58.2	0.4	-17.65	122.9	15	Re Check
CILFG207R	7/10/2017 10:32	58.8	0.1	14.62	128.2		Increased Vacuum
CILFG207R	7/10/2017 10:35	59.3	0.0	-30.90	136.2		Opened Fully
CILFG207R	7/17/2017 10:19	54.8	1.4	-30.58	136.0		Decreased Vacuum
CILFG207R	7/17/2017 10:22	54.4	1.1	-8.35	128.5	7	Re Check
CILFG302	7/11/2017 8:21	55.7	0.2	38.08	132.3		Increased Vacuum
CILFG302	7/11/2017 8:23	56.6	0.0	-16.10	139.8		Opened Fully
CILFG302	7/17/2017 10:45	56.3	0.3	-27.78	135.9		Decreased Vacuum
CILFG302	7/17/2017 10:48	57.1	0.0	-11.17	129.7	6	Re Check
August							
CILFG207R	8/9/2017 9:17	59.4	0.2	9.35	130.7		Increased Vacuum
CILFG207R	8/9/2017 9:19	59.6	0.0	-10.05	135.1		Decreased Vacuum
CILFG207R	8/10/2017 9:23	58.5	0.3	-13.70	133.0		Increased Vacuum
CILFG207R	8/10/2017 9:25	58.4	0.2	-24.87	133.8		Fully Open
CILFG207R	8/14/2017 10:25	50.7	1.6	-34.18	135.3		Decreased Vacuum
CILFG207R	8/14/2017 10:28	50.5	1.5	-33.56	135.5		Decreased Vacuum
CILFG207R	8/16/2017 7:28	53.9	1.2	-31.24	134.8		Decreased Vacuum
CILFG207R	8/16/2017 7:30	54.4	0.9	-9.30	128.9	7 days	Re Check
CILFG302	8/8/2017 14:35	58.4	0.2	-20.43	139.4		Decreased Vacuum
CILFG302	8/8/2017 14:37	58.2	0.0	-11.82	139.5		Decreased Vacuum
CILFG302	8/10/2017 9:10	57.7	0.1	-23.58	136.6		Increased Vacuum
CILFG302	8/10/2017 9:12	57.9	0.0	-32.13	136.5		Fully Open
CILFG302	8/14/2017 10:44	57.1	0.2	-33.20	135.2		Decreased Vacuum
CILFG302	8/14/2017 10:47	57.3	0.0	-32.49	135.3		Decreased Vacuum
CILFG302	8/16/2017 7:18	58.2	0.3	-26.77	135.9		Decreased Vacuum
CILFG302	8/16/2017 7:21	58.2	0.0	-9.24	128.9	8 days	Re Check
September							
CILFG202R	9/25/2017 13:36	59.0	0.2	-13.67	135.5		Decreased Vacuum
CILFG202R	9/25/2017 13:38	59.0	0.0	-3.64	135.1		Increased Vacuum
CILFG202R	9/27/2017 9:10	58.1	0.1	7.52	138.3		Increased Vacuum
CILFG202R	9/27/2017 9:13	58.8	0.0	-12.86	137.6		Increased Vacuum
CILFG202R	10/5/2017 14:14	58.6	0.1	-14.08	135.3		Decreased Vacuum
CILFG202R	10/5/2017 14:17	59.0	0.0	-0.04	136.4		Increased Vacuum
CILFG202R	10/5/2017 14:19	58.9	0.0	-14.24	135.7		Opened Fully
CILFG202R	10/10/2017 8:42	58.4	0.3	-14.12	134.8		Decreased Vacuum
CILFG202R	10/10/2017 8:44	58.7	0.0	-14.61	134.9		Decreased Vacuum
CILFG202R	10/10/2017 14:07	58.3	0.3	-23.96	134.6	Failed 15 day	Fully Open
CILFG202R	10/20/2017 8:15	57.9	0.4	-18.43	133.6		Decreased Vacuum
CILFG202R	10/20/2017 8:17	58.2	0.0	-18.01	134.0		Opened Fully
CILFG202R	10/25/2017 16:28	57.5	0.2	-20.07	134.2		Decreased Vacuum
CILFG202R	10/25/2017 16:31	57.2	0.0	-5.23	135.2		System expansion 10/27/17
CILFG202R	11/8/2017 13:26	55.0	0.7	-25.76	130.8	44 days	Re Check

Device ID	Date/Time	CH_4 (%)	O_2 (%)	Static Pressure ("H_2O)	Temperature (°F)	Length of Exceedance (Days)	Comments
CILFG207R	9/18/2017 13:31	59.9	0.0	-5.60	133.8		Increased Vacuum
CILFG207R	9/18/2017 13:34	59.8	0.0	-29.39	135.8		Opened Fully
CILFG207R	9/20/2017 10:40	46.9	2.1	-31.15	136.1		Decreased Vacuum
CILFG207R	9/20/2017 10:43	47.2	1.9	-29.08	135.0		Decreased Vacuum
CILFG207R	9/25/2017 10:31	49.0	2.2	-25.10	136.4		Decreased Vacuum
CILFG207R	9/25/2017 10:34	52.7	0.8	-1.08	130.3	7 days	Re Check
October							
CILFG207R	10/5/2017 14:41	59.7	0.1	15.30	127.2		Increased Vacuum
CILFG207R	10/5/2017 14:43	60.3	0.0	-10.39	135.8		Opened Fully
CILFG207R	10/9/2017 13:11	55.9	1.0	-14.97	135.3		Decreased Vacuum
CILFG207R	10/9/2017 13:16	58.2	0.3	0.05	130.2		Increased Vacuum
CILFG207R	10/9/2017 13:20	59.0	0.2	0.28	130.5		Increased Vacuum
CILFG207R	10/9/2017 13:22	58.9	0.2	-3.65	133.3		Increased Vacuum
CILFG207R	10/11/2017 13:20	59.6	0.0	-3.21	134.5		Increased Vacuum
CILFG207R	10/11/2017 13:25	59.6	0.0	-11.98	136.4		Fully Open
CILFG207R	10/20/2017 8:02	56.5	1.1	-13.81	135.5		Decreased Vacuum
CILFG207R	10/20/2017 8:04	57.5	0.6	-0.25	125.2	15 days	Re Check
CILFG302	10/24/2017 10:52	57.5	0.0	-15.31	135.0		Increased Vacuum
CILFG302	10/24/2017 10:55	57.7	0.0	-21.01	135.1		Opened Fully
CILFG302	10/25/2017 16:14	57.6	0.0	-17.34	134.9		Decreased Vacuum
CILFG302	10/25/2017 16:17	58.2	0.0	-8.15	130.9		Decreased Vacuum
CILFG302	10/25/2017 16:18	58.4	0.0	-5.38	130.0	1 day	Re Check
November							
CILFG202R	11/8/2017 13:29	58.7	0.9	-25.30	131.0		Decreased Vacuum
CILFG202R	11/8/2017 13:32	58.8	0.0	-16.47	128.6	<1 day	Re Check
CILFG207R	11/28/2017 9:31	44.8	3.5	-26.74	134.6		Decreased Vacuum
CILFG207R	11/28/2017 9:33	48.4	2.6	-6.36	120.3	<1 day	Re Check
CILFG302	11/28/2017 14:41	57.8	0.2	-6.07	139.0		Opened Fully
CILFG302	11/28/2017 14:45	57.9	0.0	-12.71	139.3		Decreased Vacuum
CILFG302	11/30/2017 10:01	56.7	0.2	-16.70	132.9		Decreased Vacuum
CILFG302	11/30/2017 10:03	56.9	0.0	-10.31	130.0	2 days	Re Check
December							
CILFG202R	12/1/2017 12:51	59.5	0.1	-18.17	134.5		Decreased Vacuum
CILFG202R	12/1/2017 12:54	58.5	0.0	2.79	127.6		Opened Fully
CILFG202R	12/1/2017 12:57	59.4	0.0	-16.43	135.0		Decreased Vacuum
CILFG202R	12/4/2017 13:01	58.1	0.5	-11.53	130.6	3 days	Re Check
CILFG302	12/1/2017 13:05	57.8	0.1	-1.91	135.7		Increased Vacuum
CILFG302	12/1/2017 13:07	57.7	0.0	-18.28	136.3		Opened Fully
CILFG302	12/4/2017 13:09	57.4	0.1	-21.31	134.4		Decreased Vacuum
CILFG302	12/4/2017 13:13	57.2	0.0	-9.11	129.8	3 days	Re Check

SUMMARY OF OXYGEN AND TEMPERATURE EXCEEDANCES
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Oxygen

Month	Number of Vertical Gas Wells with Oxygen Exceedances	Number of Horizontal Collectors with Oxygen Exceedances
July	4	2
August	4	1
September	3	2
October	2	0
November	4	0
December	7	1

Temperature

Month	Number of Vertical Wells with Temperature Exceedances	Number of Horizontal Collectors with Temperature Exceedances
July	3	0
August	2	0
September	2	0
October	2	0
November	3	0
December	2	0

Attachment D

QUARTERLY SURFACE EMISSION MONITORING EXCEEDANCES
Cherry Island Landfill
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Condition 3 - Table 1 (c)(1)(x)(C) Emission Unit 4
July through September 2017 — Third Quarter Monitoring

Original Recording			10-Day Re-Monitoring Event			20-Day Re-Monitoring Event			1 Month Re-Monitoring Event			1 Month+10 Days Re-Monitoring Event		
Location	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date
CILFG018	702	09/07/17	Clean earth, tampered	109.7	09/14/17	N/A			N/A	0.7	10/09/17	N/A		
CILFG022	588	09/07/17	Tuned well and surrounding wells	103.7	09/14/17	N/A			N/A	29.8	10/09/17	N/A		
CILFG023	509	09/07/17	Tuned well and surrounding wells	136.6	09/14/17	N/A			N/A	0.8	10/09/17	N/A		
CILFG033-LAT	544	09/07/17	Clean earth, tampered	3.4	09/14/17	N/A			N/A	0.6	10/09/17	N/A		
CILFG059R	1835	08/22/17	Cover repair	129.9	09/01/17	N/A			N/A	18.6	09/21/17	N/A		
CILFG086	552	08/30/17	Removed barrier, filled with clean earth	32.0	8/31/17/	N/A			N/A	51.7	09/29/17	N/A		
CILFG108R	1122	08/30/17	Cover repair	87.3	08/31/17	N/A			N/A	211.8	09/29/17	N/A		
CILFG112	630	08/30/17	Cover repair	235.0	8/31/17/	N/A			N/A	26.4	09/29/17	N/A		
CILFG118R	1538	08/22/17	Cover repair	261.2	09/01/17	N/A			N/A	9.7	09/21/17	N/A		
CILFG128	518	09/19/17	Cover repair	41.6	09/29/17	N/A			N/A	39.2	10/20/17	N/A		
CILFG132	603	09/14/17	Cover repair	31.7	09/22/17	N/A			N/A	11.2	10/16/17	N/A		
CILFG142	5046	09/14/17	Cover repair	16.6	09/22/17	N/A			N/A	9.6	10/16/17	N/A		
CILFG152	3058	08/30/17	Cover repair	216.6	08/31/17	N/A			N/A	470.2	09/29/17	N/A		
CILFG157R	1430	08/22/17	Cover repair	164.4	09/01/17	N/A			N/A	178.0	09/21/17	N/A		
CILFG162	704	08/22/17	Cover repair	368.4	09/01/17	N/A			N/A	32.1	09/21/17	N/A		
CILFG179	3495	08/30/17	Cover repair	483.7	08/31/17	N/A			N/A	86.1	09/29/17	N/A		
CILFG189	1289	09/19/17	Cover repair	200.5	09/29/17	N/A			N/A	216.0	10/20/17	N/A		

CILFG207R	744	08/30/17	Dug down,filled with clean earth, tamped	49.4	08/31/17	N/A			N/A	261.8	09/29/17	N/A		
CILFG224	1498	09/19/17	Cover repair	398.7	09/29/17	N/A			N/A	52.6	10/20/17	N/A		
CILFG231R	1851	08/30/17	Dug down,filled with clean earth, tamped	213.3	08/31/17	N/A			N/A	77.7	09/29/17	N/A		
CILFG237	554	09/14/17	Cover repair	24.1	09/22/17	N/A			N/A	86.6	10/16/17	N/A		
CILFG242	965	09/14/17	Cover repair	32.1	09/22/17	N/A			N/A	266.6	10/16/17	N/A		
CILFG246R	1441	08/22/17	Cover repair	441.0	09/01/17	N/A			N/A	24.8	09/21/17	N/A		
CILFG269	1077	09/14/17	Cover repair	211.8	09/22/17	N/A			N/A	63.0	10/16/17	N/A		
CILFG271	558	09/19/17	Cover repair	73.9	09/29/17	N/A			N/A	65.7	10/20/17	N/A		
CILFG288	6747	09/19/17	Cover repair	364.9	09/29/17	N/A			N/A	190.1	10/23/17	N/A		
CILFG296	768	09/19/17	Cover repair	290.5	09/29/17	N/A			N/A	288.9	10/20/17	N/A		
CILFG314	748	08/22/17	Cover repair	97.6	09/01/17	N/A			N/A	48.3	09/21/17	N/A		
CILFG316	664	08/22/17	Cover repair	6.4	09/01/17	N/A			N/A	16.0	09/21/17	N/A		
CILFHA04	552	08/22/17	Cover repair	186.6	09/01/17	N/A			N/A	78.4	09/21/17	N/A		
CILFHA15	7544	09/19/17	Cover repair	301.7	09/29/17	N/A			N/A	52.4	10/20/17	N/A		
CILFHB06	792	09/19/17	Cover repair	276.8	09/29/17	N/A			N/A	128.6	10/20/17	N/A		
CILFHC08	557	08/22/17	Cover repair	256.6	09/01/17	N/A			N/A	62.2	09/21/17	N/A		
CILFHC11	703	08/30/17	Cover repair	415.8	08/31/17	N/A			N/A	113.3	09/29/17	N/A		
CILFHC12	2818	08/30/17	Cover repair	166.8	8/31/17	N/A			N/A	94.4	09/29/17	N/A		
CILFHC14	1109	09/19/17	Cover repair	132.2	09/29/17	N/A			N/A	1.5	10/20/17	N/A		
CILFHC17	3950	09/14/17	Cover repair	238.7	09/22/17	N/A			N/A	131.6	10/16/17	N/A		
CILFHC20	6626	09/14/17	Cover repair	284.2	09/22/17	N/A			N/A	46.5	10/16/17	N/A		
MH_04 Valve box	634	09/07/17	Drained	3.6	09/14/17	N/A			N/A	24.7	10/09/17	N/A		

MH 08	1062	09/07/17	Foamed top of MH lid	43.2	09/14/17	N/A			N/A	54.7	10/09/17	N/A		
MH 19	10900	09/14/17	Cover repair	396.6	09/22/17	N/A			N/A	301.6	10/16/17	N/A		
MH 20	7946	09/14/17	Cover repair	411.8	09/22/17	N/A			N/A	329.0	10/16/17	N/A		
MH V 2	2014	08/30/17	Cover repair	410.6	08/31/17	N/A			N/A	362.8	09/29/17	N/A		
MH V 5B	3048	08/22/17	Foamed top of MH lid	240.0	09/01/17	N/A			N/A	19.1	09/21/17	N/A		
MH V5	530	08/22/17	Cover repair	3.4	09/01/17	N/A			N/A	346.0	09/21/17	N/A		
Path Point 483	2064	08/28/17	Cover repair	27.2	09/07/17	N/A			N/A	23.7	09/29/17	N/A		
Path Point 803	685	08/30/17	Cover repair	5.4	09/08/17	N/A			N/A	9.8	09/29/17	N/A		
Path Point 825	2004	08/30/17	Cover repair	6.0	09/08/17	N/A			N/A	14.5	09/29/17	N/A		
Path Point 891	692	08/30/17	Cover repair	10.0	09/08/17	N/A			N/A	24.5	09/29/17	N/A		
Path Point 988	16852	08/30/17	Cover repair	78.6	09/08/17	N/A			N/A	124.4	09/29/17	N/A		
T-38 drain	1280	09/19/17	Cover repair	38.7	09/29/17	N/A			N/A	34.8	10/20/17	N/A		
T-44 Drain	750	09/14/17	Cover repair	164.7	09/22/17	N/A			N/A	78.7	10/16/17	N/A		

Total Exceedances: 52
Total Points Monitored: 1,489

October through December 2017 --- Fourth Quarter Monitoring

Original Recording			10-Day Re-Monitoring Event			20-Day Re-Monitoring Event			1 Month Re-Monitoring Event			1 Month+10 Days Re-Monitoring Event		
Location	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date	Corrective Action	Reading	Date
CILFG033	876	10/25/17	Cover repair	105.70	11/02/17	N/A			N/A	109.60	11/24/17	N/A		
CILFG092	623	12/06/17	Cover repair	403.60	12/15/17	N/A			N/A	410.00	01/17/18	N/A		
CILFG094R	4707	11/07/17	Straightened well and cover repair	241.60	11/17/17	N/A			N/A	427.40	12/08/17	N/A		
CILFG095	884	11/07/17	Cover repair	93.30	11/17/17	N/A			N/A	130.60	12/08/17	N/A		
CILFG108R	569	11/07/17	Cover repair	90.70	11/17/17	N/A			N/A	188.70	12/08/17	N/A		
CILFG159R	862	10/03/17	Cover repair	44.00	10/11/17	N/A			N/A	193.90	11/02/17	N/A		
CILFG191	885	12/06/17	Cover repair	114.80	12/15/17	N/A			N/A	41.55	01/17/18	N/A		
CILFG194R	723	12/06/17	Cover repair	74.80	12/15/17	N/A			N/A	16.80	01/17/18	N/A		
CILFG196	5675	12/06/17	Dug out contaminated soil, repaired cover	75.60	12/15/17	N/A			N/A	438.00	01/17/18	N/A		
CILFG199	1398	10/03/17	Cover repair	28.70	10/11/17	N/A			N/A	10.60	11/02/17	N/A		
CILFG200R2	786	12/06/17	Cover repair	92.70	12/15/17	N/A			N/A	7.35	01/17/18	N/A		
CILFG214	3593	12/06/17	Dug out contaminated soil, repaired cover	497.60	12/15/17	N/A			N/A	397.00	01/17/18	N/A		
CILFG225	686	10/03/17	Cover repair	135.90	10/11/17	N/A			N/A	428.70	11/02/17	N/A		
CILFG226R	37500	11/08/17	Booted well	243.50	11/17/17	N/A			N/A	110.60	12/08/17	N/A		
CILFG238	5012	12/06/17	Dug out contaminated soil, repaired cover	262.40	12/15/17	N/A			N/A	140.00	01/17/18	N/A		
CILFG245	601	12/06/17	Cover repair	156.30	12/15/17	N/A			N/A	57.68	01/17/18	N/A		
CILFG258R	11600	11/07/17	Cover repair	335.80	11/17/17	N/A			N/A	439.20	12/08/17	N/A		
CILFG259	3852	12/12/17	In active area, DNREC Notified 12/22/17	N/A	N/A	Landfilling	392	12/29/17	N/A	214.00	01/17/18	N/A		
CILFG271	618	12/12/17	Cover repair	217.80	12/22/17	N/A			N/A	47.15	01/17/18	N/A		
CILFG279	766	10/03/17	Cover repair	1.30	10/11/17	N/A			N/A	99.50	11/02/17	N/A		

CILFG283	17700	11/08/17	Booted well	107.40	11/17/17	N/A			N/A	207.70	12/08/17	N/A		
CILFG297	568	12/06/17	Cover repair	99.50	12/15/17	N/A			N/A	36.00	01/17/18	N/A		
CILFG302	741	12/06/17	Cover repair	163.10	12/15/17	N/A			N/A	84.70	01/17/18	N/A		
CILFG308	2579	12/12/17	Cover repair	8.20	12/22/17	N/A			N/A	36.02	01/17/18	N/A		
CILFG309	3391	12/12/17	Cover repair	340.60	12/22/17	N/A			N/A	15.91	01/17/18	N/A		
CILFG319	1047	10/03/17	Cover repair	70.10	10/11/17	N/A			N/A	118.50	11/02/17	N/A		
CILFHB02	2402	10/03/17	Cover repair	9.10	10/11/17	N/A			N/A	281.70	11/02/17	N/A		
CILFHC10	534	11/07/17	Cover repair	212.20	11/17/17	N/A			N/A	71.40	12/08/17	N/A		
CILFHC12	4419	11/07/17	Cover repair	162.30	11/17/17	N/A			N/A	70.50	12/08/17	N/A		
CILFHC14	1133	12/06/17	Cover repair	219.50	12/15/17	N/A			N/A	42.18	01/17/18	N/A		
CILFHC15	8593	12/12/17	Cover repair	296.10	12/22/17	N/A			N/A	41.99	01/17/18	N/A		
CILFHC17	12900	12/12/17	Dug out contaminated soil, repaired cover	232.80	12/22/17	N/A			N/A	128.00	01/17/18	N/A		
CILFHC18	666	12/12/17	Cover repair	4.70	12/22/17	N/A			N/A	189.00	01/17/18	N/A		
CO MH_03	970	10/25/17	Cover repair	72.60	11/02/17	N/A			N/A	330.60	11/24/17	N/A		
MH_01	1052	10/25/17	Foamed	494.60	11/02/17	N/A			N/A	361.40	11/24/17	N/A		
MH_02	2824	10/25/17	Foamed	415.70	11/02/17	N/A			N/A	423.60	11/24/17	N/A		
MH_04	985	10/25/17	Foamed	52.70	11/02/17	N/A			N/A	239.90	11/24/17	N/A		
MH_18	3340	12/12/17	Lifted manhole, resealed rim and base and foamed lid	386.40	12/22/17	N/A			N/A	269.00	01/17/18	N/A		
MH_19	5688	12/12/17	Lifted manhole, resealed rim and base and foamed lid	>50,000	12/22/17	Attached Flare A to manhole.	3,642	12/29/17	Into 120 day system expansion due 04/11/18			N/A		
MH_20	20300	12/12/17	Lifted manhole, resealed rim and base and foamed lid	494.00	12/22/17	N/A			N/A	377.00	01/17/18	N/A		

MHV_2 Drain	1680	10/03/17	Cover repair	17.40	10/11/17	N/A			N/A	124.10	11/02/17	N/A		
MHV_2 Valve	3012	10/03/17	Foamed	458.60	10/11/17	N/A			N/A	158.80	11/02/17	N/A		
Path point 396	4947	10/23/17	Cover repair	178.60	11/02/17	N/A			N/A	216.50	11/22/17	N/A		
Path point 796	967	10/27/17	Cover repair	19.30	11/02/17	N/A			N/A	314.00	11/27/17	N/A		
Path point 850	1607	10/27/17	Cover repair	69.40	11/02/17	N/A			N/A	38.30	11/27/17	N/A		
T-36 drain	21300	11/08/17	Booted well	182.60	11/17/17	N/A			N/A	39.20	12/08/17	N/A		
T-40 drain	5135	12/06/17	Cover repair	420.10	12/15/17	N/A			N/A	88.92	01/17/18	N/A		
T-44 drain	1516	12/12/17	Placed a boot around the drain	261.20	12/22/17	N/A			N/A	191.00	01/17/18	N/A		

Total Exceedances: 48
Total Points Tested: 1,469

Notes:
GW=Gas Extraction Well
All readings in parts per million by volume (PPM)

July through September 2017 — Third Quarter Monitoring		
Location	**Latitude**	**Longitude**
CILFG018	39.72969	-75.52005
CILFG022	39.73079	-75.51745
CILFG023	39.73050	-75.51788
CILFG033-LAT	39.73029	-75.51593
CILFG059R	39.72343	-75.51088
CILFG086	39.72445	-75.51302
CILFG108R	39.72252	-75.51219
CILFG112	39.72343	-75.51088
CILFG118R	39.72626	-75.51662
CILFG128	39.72605	-75.51267
CILFG132	39.72762	-75.51283
CILFG142	39.72744	-75.51203
CILFG152	39.72444	-75.51206
CILFG157R	39.72592	-75.51759
CILFG162	39.72346	-75.51724
CILFG179	39.72138	-75.51466
CILFG189	39.72516	-75.50991
CILFG207R	39.72589	-75.51473
CILFG224	39.72546	-75.50930
CILFG231R	39.72515	-75.51263
CILFG237	39.72676	-75.51085
CILFG242	39.72713	-75.51333
CILFG246R	39.72391	-75.51604
CILFG269	39.72830	-75.51299
CILFG271	39.72688	-75.51217
CILFG288	39.72373	-75.51029
CILFG296	39.72532	-75.51162
CILFG314	39.72283	-75.51424
CILFG316	39.72202	-75.51732
CILFHA04	39.72468	-75.51813
CILFHA15	39.72420	-75.50937
CILFHB06	39.72430	-75.51036
CILFHC08	39.72303	-75.51478
CILFHC11	39.72424	-75.51217
CILFHC12	39.72450	-75.51204
CILFHC14	39.72504	-75.51186
CILFHC17	39.72554	-75.51527
CILFHC20	39.72752	-75.51509
MH_04 Valve box	39.73171	-75.51867
MH_08	39.73160	-75.51861
MH_19	39.72754	-75.51021
MH_20	39.72714	-75.50914
MH_V_2	39.72081	-75.51537
MH_V5	39.72287	-75.51840
MH_V5_B	39.72209	-75.51772
Path Point 483	39.72561	-75.51514
Path Point 803	39.72276	-75.51770
Path Point 825	39.72250	-75.51166
Path Point 891	39.72160	-75.51666
Path Point 988	39.72090	-75.51598
T-38 drain	39.72563	-75.50837
T-44 Drain	39.72861	-75.51201

October through December 2017 — Fourth Quarter Monitoring		
Location	**Latitude**	**Longitude**
CILFG033	39.73029	-75.51593
CILFG092	39.72597	-75.51092
CILFG094R	39.72407	-75.51234
CILFG095	39.72363	-75.51296
CILFG108R	39.72252	-75.51219
CILFG159R	39.72453	-75.51542
CILFG191	39.72501	-75.51169
CILFG194R	39.72571	-75.51085
CILFG196	39.72646	-75.51167
CILFG199	39.72521	-75.51637
CILFG200R2	39.72428	-75.51388
CILFG214	39.72616	-75.51200
CILFG225	39.72567	-75.51701
CILFG226R	39.72484	-75.51046
CILFG238	39.72635	-75.51007
CILFG245	39.72415	-75.51307
CILFG258R	39.72351	-75.51199
CILFG259	39.72656	-75.51325
CILFG271	39.72688	-75.51217
CILFG279	39.72263	-75.51547
CILFG283	39.72467	-75.51091
CILFG297	39.72570	-75.51489
CILFG302	39.72400	-75.51377
CILFG308	39.72776	-75.51183
CILFG309	39.72809	-75.51231
CILFG319	39.72059	-75.51417
CILFHB02	39.72167	-75.51498
CILFHC10	39.72396	-75.51226
CILFHC12	39.72450	-75.51204
CILFHC14	39.72504	-75.51186
CILFHC15	39.72522	-75.51515
CILFHC17	39.72554	-75.51527
CILFHC18	39.72716	-75.51448
CO MH_03	39.73223	-75.51936
MH_01	39.73303	-75.52043
MH_02	39.73273	-75.52002
MH_04	39.73171	-75.51867
MH_18	39.72807	-75.51125
MH_19	39.72754	-75.51021
MH_20	39.72714	-75.50914
MHV_2 Drain	39.72081	-75.51537
MHV_2 Valve	39.72081	-75.51537
Path point 396	39.72444	75.51472
Path point 796	39.72333	75.51472
Path point 850	39.72722	75.51722
T-36 drain	39.72509	-75.50859
T-40 drain	39.72782	-75.51055
T-44 drain	39.72861	-75.51201

Attachment E

WELL COMMISSIONING LOG
Cherry Island Landfill
JULY 1, 2017 THROUGH DECEMBER 31, 2017

Gas Well	New Gas Well	Phase	Approximate Drill Depth	Date Drilled	Date "R" well brought online	Date Original was Decom
No wells were recommisioned and no new wells were commissioned during this time period.						

Attachment F

PHASE II

PHASE III

PHASE IV

PHASE I

PHASE V

Delaware River

Christina River

18 REM

28 REM

0 100 200 300 400 500
FEET
Graphic Scale

DELAWARE SOLID WASTE AUTHORITY
1128 SOUTH BRADFORD STREET
DOVER, DELAWARE

Cherry Island Landfill
Landfill Gas Control And Collection System
And Monitoring Instruments
(December 2016)

Att. F

Attachment G

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A Emission Unit Identification	COLUMN B Identification of Each Permit Term or Condition that is the basis of this Certification	COLUMN C Methods Used to Determine Compliance	COLUMN D Compliance Status During Reporting Period Continuous or Intermittent
2	Condition 3 - Table 1 (b)(1)(ii)(A)(1) NOx: A rate of 8.1 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(1).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(A)(2) NOx: 23.9 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(B)(1) CO: A rate of 27.0 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(1).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(B)(2) CO: 79.6 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(C)(1) PM: A rate of 2.3 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(1).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(C)(2) PM: 6.6 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(D)(1) NMOC: A rate of 0.7 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D)(1).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(D)(2) NMOC: 2.1 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(E)(1) SOx: A rate of 39.7 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(1).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2	Condition 3 - Table 1 (b)(1)(ii)(E)(2) SOx: 58.5 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(F)(1) HAPs: A rate of 0.027 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(1).	Continuous
2	Condition 3 - Table 1 (b)(1)(ii)(F)(2) HAPs: 0.08 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(2).	Continuous
2	Condition 3 - Table 1 (b)(1)(iii)(H) The total amount of landfill gas to the flare shall be no more than a total of 1,594.1 MMscf per 12-month rolling period.	Monitoring of total landfill gas to the flare in accordance with Condition 3 - Table 1 (b)(1)(iii)(H)	Continuous
2	Condition 3 - Table 1 (b)(1)(iv)(B) The maximum flow to the flare shall be no more than 4,500 scfm at 50% methane.	Record keeping of flare flow in accordance with Condition 3 - Table 1 (b)(1)(iv)(B).	Continuous
2	Condition 3 - Table 1 (b)(1)(iv)(D) In the event that the flare is inoperable, the following actions shall be taken: The flare valve shall be closed; and all valves in the collection system contributing to venting of gas to the atmosphere shall be closed within one (1) hour.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(iv)(D).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2	Condition 3 - Table 1 (b)(1)(vi)(F) The owner/operator shall monitor compliance with the opacity requirements of Condition 3-Table 1(b)(1)(i) shall be determined once per quarter for a two (2) hour period using RM 22 while flare is in operation from 40 CFR 60, Appendix A, dated 7/1/05. If visual emissions are determined to be in excess of the limitation in Condition 3-Table 1(b)(1)(i), the owner/operator shall take all means necessary to minimize emissions and to operate the flare without visible emissions. The term "all means necessary" may include, but is not limited to shutting down the flare.	Monitoring the opacity requirements in accordance with Condition 3 - Table 1 (b)(1)(vi)(F).	Continuous
2	Condition 3 - Table 1 (b)(1)(vi)(H) The owner and/or operator shall monitor the time, date, and length of all SSM and any actions taken at such times.	Monitoring of SSM in accordance with Condition 3 - Table 1 (b)(1)(vi)(H).	Continuous
2	Condition 3 - Table 1 (b)(1)(vii)(C) DSWA may use GEM testing and lab sample analysis results to perform calculations referred by Condition 3-Table 1(b)(iii)(C) on a quarterly basis. The Company shall perform calculations quarterly as identified by federal regulation 40 CFR 60, Subpart A, §60.18(f)(3). As an option, the Owner or Operator may sample the landfill gas, analyze it for net heating value using the method given in 40 CFR 60, Subpart A, §60.18(f)(3), dated 7/1/05, and use the result and the gas flowrate to demonstrate compliance.	Testing in accordance with Condition 3 - Table 1 (b)(1)(vii)(C).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2	Condition 3 - Table 1 (b)(1)(vii)(D) During normal operating hours, the owner and/or operator shall conduct daily qualitative visible emissions observations (similar to Method 22) of the flare to evaluate the presence or absence of smoke and/or visible air contaminants during a continuous five (5) minute period while the flare is operating. If visible emissions are detected, the owner and/or operator shall conduct a visual emissions determination as required in Condition 3 - Table 1 (b)(1)(vi)(F). Normal operating hours shall mean Monday through Friday, 0700 hours until 1500 hours, excluding holidays and weather-related landfill closings.	Testing of visible emissions in accordance with Condition 3 - Table 1 (b)(1)(vii)(D).	Continuous
2	Condition 3 - Table 1 (b)(1)(ix)(D) RM 22 records including daily visible emissions log.	Record keeping of RM 22 records in accordance with Condition 3 - Table 1 (b)(1)(ix)(D).	Continuous
2	Condition 3 - Table 1 (b)(1)(ix)(E) Daily odor log, as required by Condition 3 - Table 1(f)(2)(v), including the presence or absence of odor, the wind direction, the location monitored, and actions taken in response to odors found.	Record keeping of daily odor log in accordance with Condition 3 - Table 1 (b)(1)(ix)(E).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
2	Condition 3 - Table 1 (b)(1)(ix)(G) The monthly and rolling twelve (12) month total emissions shall be calculated by using landfill gas flow rate to the flare, hours of flare operation , site specific data, stack test results and AP-42 factors as appropriate, and recorded each month in a log for each of the following pollutants: Nitrogen oxides; Carbon monoxide; Particulate Matter; Non-methane organic compounds; Sulfur oxides; Methane; and HAPs.	Record keeping of emissions totals in accordance with Condition 3 - Table 1 (b)(1)(ix)(G).	Continuous
2	Condition 3 - Table 1 (b)(1)(ix)(H)(4) The Company shall keepcopies of RM 22 visible emissions observations.	Record keeping ofRM 22 logs in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(4).	Continuous
2	Condition 3 - Table 1 (b)(1)(ix)(H)(5) The Company shall keep copies of A copy of RM 22.	Record keeping of RM 22 in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(5).	Continuous
2	Condition 3 - Table 1 (b)(1)(ix)(H)(6) A statement of qualifications of personnel performing RM 22 and daily qualitative visible emissions observations.	Record keeping of personnel qualifications in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(6).	Continuous
5	Condition 3 - Table 1 (e)(1)(iii)(B) The emergency generator may operate for 100 hours per calendar year during testing or for maintenance purposes, pursuant to the definition of an emergency generator as defined in the 7 DE Admin Code 1144, except as restricted by Condition 3–Table 1(e)(1)(iii)(D).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(B).	Continuous

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

Table 1 - Compliance Status

COLUMN A	COLUMN B	COLUMN C	COLUMN D
Emission Unit Identification	Identification of Each Permit Term or Condition that is the basis of this Certification	Methods Used to Determine Compliance	Compliance Status During Reporting Period Continuous or Intermittent
5	Condition 3 - Table 1 (e)(1)(iii)(F) The emergency generator shall only combust diesel fuel or biodiesel blend having a sulfur content equal to or less than 0.015% by weight.	Record keeping of generator fuel in accordance with Condition 3 - Table 1 (e)(1)(iii)(F).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(ii) The facility's rolling 12-month emission limitations are based on the 4500 SCFM Perennial Energy, Inc. Flare and all permitted passive flares as shown below: NO_x=23.9 tons, CO=79.6 tons, PM=6.6 tons, NMOC=2.1 tons, SO_x=58.5 tons, HAPs=0.08 tons.	Monitoring emissions limitations in accordance with Condition 3 - Table 1 (f)(1)(ii).	Continuous
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(A) The owner/operator shall monitor the following: monthly and rolling 12-month emissions of NO_x, CO, PM, NMOCs, SO_x, and HAPs from the facility.	Monitoring of emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(A).	Continuous

Attachment H

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(ii)(A)(1) NOx: A rate of 8.1 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(A)(2) NOx: 23.9 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(A)(2).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(B)(1) CO: A rate of 27.0 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(B)(2) CO: 79.6 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(B)(2).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(C)(1) PM: A rate of 2.3 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(C)(2) PM: 6.6 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(C)(2).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(D)(1) NMOC: A rate of 0.7 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(D)(2) NMOC: 2.1 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(D)(2).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(ii)(E)(1) SOx: A rate of 39.7 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(E)(2) SOx: 58.5 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(E)(2).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(F)(1) HAPs: A rate of 0.027 pounds per hour.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(1).	NO	
2	Condition 3 - Table 1 (b)(1)(ii)(F)(2) HAPs: 0.08 tons per 12-month rolling period.	Monitoring of flare emissions in accordance with Condition 3 - Table 1 (b)(1)(ii)(F)(2).	NO	
2	Condition 3 - Table 1 (b)(1)(iii)(H) The total amount of landfill gas to the flare shall be no more than a total of 1,594.1 MMscf per 12-month rolling period.	Monitoring of total landfill gas to the flare in accordance with Condition 3 - Table 1 (b)(1)(iii)(H)	NO	
2	Condition 3 - Table 1 (b)(1)(iv)(B) The maximum flow to the flare shall be no more than 4,500 scfm at 50% methane.	Record keeping of flare flow in accordance with Condition 3 - Table 1 (b)(1)(iv)(B).	NO	
2	Condition 3 - Table 1 (b)(1)(iv)(D) In the event that the flare is inoperable, the following actions shall be taken: The flare valve shall be closed; and all valves in the collection system contributing to venting of gas to the atmosphere shall be closed within one (1) hour.	Record keeping in accordance with Condition 3 - Table 1 (b)(1)(iv)(D).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(vi)(F) The owner/operator shall monitor compliance with the opacity requirements of Condition 3-Table 1(b)(1)(i) shall be determined once per quarter for a two (2) hour period using RM 22 while flare is in operation from 40 CFR 60, Appendix A, dated 7/1/05. If visual emissions are determined to be in excess of the limitation in Condition 3-Table 1(b)(1)(i), the owner/operator shall take all means necessary to minimize emissions and to operate the flare without visible emissions. The term "all means necessary" may include, but is not limited to shutting down the flare.	Monitoring the opacity requirements in accordance with Condition 3 - Table 1 (b)(1)(vi)(F).	NO	
2	Condition 3 - Table 1 (b)(1)(vi)(H) The owner and/or operator shall monitor the time, date, and length of all SSM and any actions taken at such times.	Monitoring of SSM in accordance with Condition 3 - Table 1 (b)(1)(vi)(H).	NO	

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(vii)(C) DSWA may use GEM testing and lab sample analysis results to perform calculations referred by Condition 3-Table 1(b)(iii)(C) on a quarterly basis. The Company shall perform calculations quarterly as identified by federal regulation 40 CFR 60, Subpart A, §60.18(f)(3). As an option, the Owner or Operator may sample the landfill gas, analyze it for net heating value using the method given in 40 CFR 60, Subpart A, §60.18(f)(3), dated 7/1/05, and use the result and the gas flowrate to demonstrate compliance.	Testing in accordance with Condition 3 - Table 1 (b)(1)(vii)(C).	NO	
2	Condition 3 - Table 1 (b)(1)(vii)(D) During normal operating hours, the owner and/or operator shall conduct daily qualitative visible emissions observations (similar to Method 22) of the flare to evaluate the presence or absence of smoke and/or visible air contaminants during a continuous five (5) minute period while the flare is operating. If visible emissions are detected, the owner and/or operator shall conduct a visual emissions determination as required in Condition 3 - Table 1 (b)(1)(vi)(F). Normal operating hours shall mean Monday through Friday, 0700 hours until 1500 hours, excluding holidays and weather-related landfill closings.	Testing of visible emissions in accordance with Condition 3 - Table 1 (b)(1)(vii)(D).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(ix)(D) RM 22 records including daily visible emissions log.	Record keeping of RM 22 records in accordance with Condition 3 - Table 1 (b)(1)(ix)(D).	NO	
2	Condition 3 - Table 1 (b)(1)(ix)(E) Daily odor log, as required by Condition 3 - Table 1(f)(2)(v), including the presence or absence of odor, the wind direction, the location monitored, and actions taken in response to odors found.	Record keeping of daily odor log in accordance with Condition 3 - Table 1 (b)(1)(ix)(E).	NO	
2	Condition 3 - Table 1 (b)(1)(ix)(G) The monthly and rolling twelve (12) month total emissions shall be calculated by using landfill gas flow rate to the flare, hours of flare operation , site specific data, stack test results and AP-42 factors as appropriate, and recorded each month in a log for each of the following pollutants: Nitrogen oxides; Carbon monoxide; Particulate Matter; Non-methane organic compounds; Sulfur oxides; Methane; and HAPs.	Record keeping of emissions totals in accordance with Condition 3 - Table 1 (b)(1)(ix)(G).	NO	
2	Condition 3 - Table 1 (b)(1)(ix)(H)(4) The Company shall keepcopies of RM 22 visible emissions observations.	Record keeping ofRM 22 logs in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(4).	NO	
2	Condition 3 - Table 1 (b)(1)(ix)(H)(5) The Company shall keep copies of A copy of RM 22.	Record keeping of RM 22 in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(5).	NO	

7 DE Admin. Code 1130 (Title V) State Operating Permit Program Air Quality Management Section COMPLIANCE CERTIFICATION (continued)	AQM-1001BB revised

Facility Name: CIL Operating Permit Number: AQM-003/00111-Renewal 3 Reporting Period: 08/01/2017 TO 12/31/2017

TABLE 3 - SEMI-ANNUAL REPORT - REPORT OF ANY REQUIRED MONITORING

COLUMN A	COLUMN B	COLUMN C	COLUMN D	
Emission Unit/Point	Applicable Requirement Emission Limitation, Standard, Work Practice Standard or Other Requirement for which monitoring is used to assure compliance	Monitoring	Separate Monitoring Report Required?	If Yes, Date of Separate report Submittal or Attachment ID
2	Condition 3 - Table 1 (b)(1)(ix)(H)(6) A statement of qualifications of personnel performing RM 22 and daily qualitative visible emissions observations.	Record keeping of personnel qualifications in accordance with Condition 3 - Table 1 (b)(1)(ix)(H)(6).	NO	
5	Condition 3 - Table 1 (e)(1)(iii)(B) The emergency generator may operate for 100 hours per calendar year during testing or for maintenance purposes, pursuant to the definition of an emergency generator as defined in the 7 DE Admin Code 1144, except as restricted by Condition 3–Table 1(e)(1)(iii)(D).	Record keeping of hours of operation in accordance with Condition 3 - Table 1 (e)(1)(iii)(B).	NO	
5	Condition 3 - Table 1 (e)(1)(iii)(F) The emergency generator shall only combust diesel fuel or biodiesel blend having a sulfur content equal to or less than 0.015% by weight.	Record keeping of generator fuel in accordance with Condition 3 - Table 1 (e)(1)(iii)(F).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(ii) The facility's rolling 12-month emission limitations are based on the 4500 SCFM Perennial Energy, Inc. Flare and all permitted passive flares as shown below: NOx=23.9 tons, CO=79.6 tons, PM=6.6 tons, NMOC=2.1 tons, SOx=58.5 tons, HAPs=0.08 tons.	Monitoring emissions limitations in accordance with Condition 3 - Table 1 (f)(1)(ii).	NO	
Facility Wide	Condition 3 - Table 1 (f)(1)(vi)(A) The owner/operator shall monitor the following: monthly and rolling 12-month emissions of NOx, CO, PM, NMOCs, SOx, and HAPs from the facility.	Monitoring of emissions in accordance with Condition 3 - Table 1 (f)(1)(vi)(A).	NO	

WILMINGTON HARBOR
EDGEMOOR EXPANSION



ENVIRONMENTAL ASSESSMENT
TECHNICAL DOCUMENT

March 2020
Revised June 2020

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Revision 0 – March 2020

Revision 1 – June 2020

This revision modifies the EATD and supporting assessments to include potential reuse of dredged sediment on the Edgemoor site. The revision also includes the potential of using several existing U.S. Army Corps of Engineers dredge material storage facilities, all located in the State of Delaware. Section 4.1.4 has been revised to include additional detail regarding Federal Emergency Management Agency flood plain information and how the project design uses that information. Section 4.1.5 has been revised to include the State of Delaware/University of Delaware projects of future sea level rise.

1.0 INTRODUCTION, PURPOSE AND NEED

1.1 Introduction

Diamond State Port Corporation (DSPC), New Castle County, Delaware (hereinafter referred to as "the Applicant") applied to the United States Army Corps of Engineers (USACE) for a Clean Water Act Section 404 permit, and a Rivers and Harbors Act Section 10 permit for dredging related to the construction of a primary harbor access channel and ship berth development (hereinafter referred to as the "proposed project") at the applicant's Edgemoor property (hereinafter referred to as the "Edgemoor Site"), on March 25, 2019 (reference Permit Application CENAP-OP-R-2019-278). In accordance with the National Environmental Policy Act (NEPA), this Environmental Assessment Technical Document (EA) has been prepared to analyze and document the potential impacts of the proposed project and reasonable alternatives to the natural and human environment and recommend a preferred alternative.

Additionally, the purpose of this EA is to support the requirements of 33 U.S.C 408 to get approval from the USACE prior to modification of an existing Federal project, and to support the USACE in the determination of the Federal interest in the Assumption of Maintenance (AOM) of non-federal sponsor (NFS) improvements to the primary harbor access channel under Section 204(f) of Water Resources Development Act (WRDA) 1986. The area from the mean high water (MHW) line of the Edgemoor site to approximately 300 feet riverward of the wharf face is not included in NFS improvements and will not be included in the AOM. Separate and submissions for 408 approval and for AOM under Section 204(f) will be made.

1.1.1 Proposed Action and Location

The proposed project is located adjacent to and north of the Federal navigation channel, in the southern portion of Reach B of the Delaware River, at the intersection of the Cherry Island and Bellevue Ranges. The proposed project is offshore of the Applicant's property located along Hay Road, in Edgemoor, Delaware (Figure 1-1). The Applicant proposes to deepen portions of the Delaware River adjacent to the Federal Navigation Channel to create a primary access channel that will serve the proposed berth construction at the Edgemoor Site.

The proposed project supports the redevelopment of the Edgemoor Site into a multi-user containerized cargo port. The primary harbor access channel will provide access to an approximately 2,600 foot long wharf structure. The berth and access channel will be excavated to the 45-foot mean lower low water (MLLW) project depth. At the riverward edge of the wharf the future river bottom will be shaped to slope upward to a quay wall along the landside of the wharf. The quay wall will support the elevation transition from the river bottom to the grade of land within the new port. The 45-foot MLLW project depth matches the maintained depth of the Federal navigation channel.

Proposed project activities producing direct impacts are considered to result from the proposed deepening of an area approximately 4,000 feet in length and a width

extending from the boundary of the federal navigation channel to approximately 300 feet offshore of the Site at MLLW (Figure 1-1). This area encompasses approximately 1.5 million square feet (approximately 87 acres). The direct impacts are also considered to be associated with the construction of the approximately 2,600-foot wharf structure to accommodate ships and other incidental structures located water-ward of MHW.



Figure 1-1: Project Location Sketch

The development of infrastructure needed to support the operation of a container port and constructed on the upland portion of the Applicant's property, site of the former Chemours Edge Moor Facility, are considered incidental to the project, since the Edgemoor Site previously was developed for industrial use, including chemical processing with car, truck, and rail access for moving people, raw materials, wastes, and finished products.

The initial dredging for the berth and primary harbor access is anticipated to require removal of an approximate volume of 3.3 million cubic yards of river sediments and the underlying soils. Project planning anticipates that this material will be placed in

existing USACE Confined Disposal Facilities (CDFs) along the Delaware River proximate to the Edgemoor Site. The Applicant is anticpating completing a WRDA Sectoin 217b approval to allow the use of the facilities and determine the compensation to mitigate adverse impacts to USACE regarding their mission to maintain navigation in the Delaware River. A portion of the dredged material is anticipated to be placed onsite for use during the port development.

1.1.2 Project Background

DSPC (the Applicant) is a corporate entity of the State of Delaware and was established in 1995 by an act of the Delaware General Assembly to manage and operate the Port of Wilmington after the port was purchased from the City of Wilmington by the State of Delaware (7 Del.C. Chapter 87 – Appendix 1).

The Port of Wilmington is located approximately two miles down river from the proposed project site at the confluence of the Delaware and Christina Rivers. According to the Diamond State Port Corporation Strategic Master Plan, dated July 29, 2016 (DSPC Strategic Master Plan -- Appendix 2), in 2015 the Port of Wilmington accounted for approximately five percent of East Coast ports' international waterborne trade.

Cargoes handled at the Port of Wilmington are varied. During 2015, over 6.8 million tons of cargo were handled at the port mainly comprised of containerized goods (33%), dry/break bulk (32%), and liquid bulk (32%). For inbound trade,

89 percent of imported commodities include: petroleum products (35%), bananas (26%), industrial salt (20%), various minerals (4%), and pineapples (4%).

The majority of the Port of Wilmington's berths are located on the Christina River, which has a controlling depth of 38 feet MLLW between the Delaware River and the upper end of the Port's turning basin, roughly adjacent to Berth 5. Additional berths (Berths 6 and 7) upriver of the turning basin are maintained at 35 feet MLLW.

Following the completion of Panama Canal Lock Expansion Project in 2017, New Panamax ships, or vessels that were too large to traverse the Panama Canal prior to expansion, are able to more efficiently reach East and Gulf Coast Ports. Capacities of New Panamax ships can be as large as 12,000 twenty-foot container equivalent units (TEU) and standard draft requirements are 49 ft. With increases in capacity capability through the Panama Canal, there is an expectation that cargo volume will increase at East and Gulf Coast ports from the Asia/U.S. trade. According to the DSPC Strategic Master Plan, conservative assumptions forecast that the share of the Asian trade arriving at East Coast ports will expand between 27 to 32 percent above the average volumes experienced over the past five years.

In response to the increasing size of modern shipping vessels, and to remain competitive with other ports along the eastern seaboard, USACE embarked on the Delaware Main Channel Deeping Project in 2010. The deepening provides for more efficient transportation of cargo to the Delaware River ports. To capitalize on the economic benefits of the deepening project, Delaware River ports will also need to deepen their harbors.

In addition to the relatively shallow navigation channel in the Christina River, the land-based configuration of the Port of Wilmington constrains capacity. In an effort to expand port operations and acquire a portion of the projected increases in future market demand, DSPC purchased the Edgemoor Site in 2016, as identified in the DSPC Strategic Master Plan. The current deed to the property has been included in Appendix 3. The Edgemoor Site was purchased with the intent of re-developing the property into a multi-user containerized cargo port capable of accepting New Panamax cargo ships. In October 2018, the State of Delaware signed a $500 million, 50-year concession agreement to operate and expand the Port of Wilmington and to construct a nw containerized cargo port at the Edgemoor Site. The agreement included a commitment to invest approximately $400 million to construct the Edgemoor facility.

The Edgemoor Site formerly was developed as a titanium dioxide and ferric chloride manufacturing facility, which reportedly initiated operations in the early 1930s. Production at the manufacturing facility ceased in 2015 followed by decommissioning and demolition of the process equipment by the former owner. DSPC has since demolished and removed most of the buildings that remained after decommissioning in preparation of redevelopment.

1.2 Purpose

The purpose of this project is to modernize the State of Delaware's international waterborne trade capabilities, allow for the State of Delaware port to remain competitive within the Delaware River international trade market, meet the rising demand for modern containerized ports, and to continue, and strengthen, waterborne trade's importance to the State of Delaware and regional economy. International waterborne trade is considered an essential part of the State of Delaware's economy. According to the DSPC Strategic Master Plan, the Port of Wilmington supports over 4,000 jobs annually, generates nearly $340 million in business revenue, over $300 million in personal revenue, and $31 million in state and regional taxes. The State of Delaware's position along the Delaware River places it within a competitive international trade market with the Port of Philadelphia, just 25 miles upriver of the Port of Wilmington.

1.3 Need

The need for this project is driven by the following considerations:

- **Vessel Capacity Constraints.** With the completion of the Panama Canal Lock Expansion, Asia/U.S. trade shipping to the eastern seaboard is forecasted to increase. The increase is expected to come through the use of new ships that are larger than those currently in service, due to the inherent efficiency of shipping goods in the largest vessel possible. These larger vessels will be known as New Panamax ships, several of which are now in service. To accommodate the increase in modern, New Panamax ships entering east coast ports, the Applicant anticipates that there will be demand for expansion of East Coast port operations. Ports capable of accepting vessels with 45-foot or greater drafts are positioned to most readily accept New Panamax vessels. Currently, no ports in the State of Delaware are capable of accepting New Panamax vessels. The Port of Wilmington berths capable of handling containerized cargos currently are

maintained to a depth of 38 ft. MLLW. Therefore, container vessels that are bound for Ports in the State of Delaware would need to be light-loaded (loaded at a reduced capacity) or lightened prior to arrival at the port. Either option decreases the efficacy of operations and increases the potential for impacts to the environment through greater air emissions from a higher number of smaller, possibly older ships and the risks associated with increased handling of cargo.

- **Cargo Handling Constraints.** To meet the increasing demand of international waterborne trade, and to continue DSPC's mission to contribute to the State of Delaware's economic vitality, the volume of cargo entering and exiting Delaware's ports needs to continue to expand. According to the DSPC Masterplan, there are constraints to expanding port operations at the Port of Wilmington, but arguably the most constrictive limitation is the lack of backland storage capacity. Any capital improvement project to increase berth capacity likely would require the development of additional backland storage. Expansion needed to create such backland storage is constrained by the degree of private, industrial, and commercial development along the Port of Wilmington's inland boundaries and by the USACE Wilmington Harbor South confined dredge facility (CDF) located along the Delaware River. Increases in backland use for containerized cargo would come at the loss of dry/break bulk cargo capacity which would work against the purpose of increasing the current economic benefits associated with the Port of Wilmington. Dry/ break bulk cargo currently accounts for 32% of the Port's annual cargo throughput.

1.4 Project Datum

This project references Mean Lower Low Water (MLLW) as its project datum. The MLLW is defined by the U.S. National Oceanic and Atmospheric Adminstration (NOAA) as the average height of the lowest tide recorded at a local tide station each day during a 19-year recording period.

1.5 Assessment Approach – National Environmental Policy Act (NEPA) Scope

As required under NEPA, the Philadelphia District of USACE engaged 20 state and federal agencies, programs, and recognized tribes and nations through a December 20, 2018 letter describing the project, outlining potential issue areas and seeking comments on the proposed project. The letter also identified the approach that would be taken through the Environmental Assessment in order to analyze the project—including an examination of alternatives that consider the location of the project, dredging depth of the proposed project, and storage of the dredged materials. This approach is based on two scenarios: 1) expansion of the existing Port of Wilmington location, and 2) expansion and development of a new marine terminal located along the Delaware River.

In considering alternatives, the letter identified the following issues that will be examined:

- Land use/acquisition challenges;
- Vessel/capacity improvements;
- Operation/navigation;

- Environmental Considerations;
- Dredged material management;
- Project site access; and
- Order of magniture cost estimates.

In addition to the alternatives analysis, this Environmental Assessment will include identification and assessment of secondary and cumulative impacts associated with the preferred alternative. A copy of the scoping letter has been enclosed in Appendix 4.

1.6 National Environmental Policy Act Scope – Agency Comments

Three agencies: U.S. Environmental Protection Agency (USEPA), the National Oceanic Atmospheric Administration National Marine Fisheries Service (NMFS), and the Delaware Department of Natural Resources and Environmental Control (DNREC) provided written comments in response to the scoping letter (Appendix 5).

Comments generally can be categorized in the following areas:

Essential Fish Habitat – The agencies commented on the likely need for assessment of the proposed project's impact on any essential fish habitat (EFH) including the potential for on-site inspection, fishery independent and dependent surveys and passive sampling. Recommendations included the characterization of abundance, biomass, production and diversity of fish and their prey, including benthic invertebrates.

Endangered Species – The Delaware River is home to both the shortnose and Atlantic sturgeon, both of which are federally listed as endangered species. Agency comments suggested that a biological assessment be conducted to ensure that any action authorized, funded, or carried out by USACE is not likely to jeopardize the continued existence of an endangered or threatened species, or result in the destruction or adverse modification of critical habitat. An analysis from anticipated ship traffic as a result of the project was also recommended.

Wetlands and Submerged Aquatic Vegetation – Wetlands impacts from the project, including those that may be created by the development of a confined disposal facility for dredged material, should be assessed along with any impacts to submerged aquatic vegetation from dredging, as well as turbidity sedimentation in and adjacent to the project should be identified and considered.

Community Impacts – an evaluation of air quality impacts through a general conformity analysis and other potential community impacts from construction of the project such as light and noise is recommended.

Cumulative Impacts – A review of cumulative impacts from the project, existing and planned development, and navigation activity in the Delaware River and Bay is recommended to include an assessment of impacts on endangered species.

Permitting and Approvals – Agencies identified the following permitting/approvals that may be needed for the project:

- Federal Consistency Certification – Delaware Coastal Management Program
- State of Delaware Subaqueous Lands Permit
- Clean Water Act Section 401 Water Quality Certification

Project Alternatives – An analysis of alternatives relative to essential fish habitat, the Fish and Wildlife Coordination Act, and the Endangered Species Act should be evaluated.

2.0. ALTERNATIVES ANALYSIS

2.1 Introduction

This section discusses the reasonable alternatives that were considered during the preparation of this EA. As part of the DSPC Strategic Master Plan, alternatives for expanding cargo handling capacity of the Port of Wilmington were developed and reviewed. Port capacity expansion was viewed as a means of improving operating economics and increasing socio-economic benefits to the local population, the State of Delaware, and the tristate (Delaware, New Jersey, and Pennsylvania) region. The developed alternatives were compared in regard to capacity improvements, environmental considerations and orders of magnitude cost estimates. Because an alternative analysis was already performed as part of the DSPC Strategic Master Plan, this previous assessment is considered to be an alternative screening. The Master Plan was considered an alternative screening tool in that it generally conforms to USACE procedures for implementing NEPA and describes the needs and defines the purpose for expansion of the Port of Wilmington. It also identifies alternatives, describes and analyzes alternatives for practicability and identifies environmental considerations and the alternative that meets the needs of the Port. The Master Plan considered costs, existing conditions and technologies and logistics in assessing practicability. Alternatives considered in the alternative screening are detailed below.

2.1.1 Alternative Screening

The alternatives suggested in DSPC's Strategic Master Plan were structured on two scenarios detailed below.

1. Scenario one includes expanding operations at the Port of Wilmington's current location. In order to increase the backland storage capacity required to expand port operations, a 66-arce property located adjacent to the Port of Wilmington would need to be developed. Under scenario one, two alternatives were assessed.

    - **Alternative 1:** Alternative 1 included investments into capital infrastructure improvements for existing customers, which would be required to maintain the handling of the existing volume of cargo.

      The alternative does not include any projects to accommodate growth in new business.

    - **Alternative 1A:** Alternative 1A includes investments in capital infrastructure improvements to meet the demand of growth in existing commodities at the port. Proposed improvements did not include deepening the Christina River to 45 feet MLLW to accommodate larger New Panamax vessels.

2. Scenario two included the expansion and development of a new multi-use marine terminal on the Delaware River. Under scenario two, three alternatives were assessed.

- **Alternative 2:** Alternative 2 included the construction of a new berth at the Port of Wilmington. Two options under Alternative 2 proposed moving port operations from the Christina River to the new berth along the Delaware River.

- **Alternative 3:** Alternative 3 proposed the construction of a new port at the Riveredge Site, which is an industrial park located in New Castle County approximately 2.5 miles downriver of the Port of Wilmington.

- **Alternative 4:** Alternative 4 proposed the construction of a new container port at the Edgemoor Site. The Edgemoor Site is located 2 miles upriver from the existing Port of Wilmington.

Out of the four alternatives assessed, Alternative 4 was selected by DSPC as most viable. The Edgemoor Site was purchased by the State of Delaware in 2016 with the intention to expand port operations to the site. Because of the State's acquisition, and due to the limitations of the Port of Wilmington to expand its footprint to accommodate New Panamax ships and the physical limitations of dredging the existing berths and access to 45 MLLW, the Port of Wilmington alternatives 1A and 2 were not considered further in this assessment.

2.1.2 Selected Alternatives

The selected alternatives were chosen to assess the potential actions at the Riveredge Site and the Edgemoor Site. The alternatives are compared based on their viability to meet the State's goals of economic growth through expanding port operations with minimum environmental impact. After the screening discussed above, three alternatives were selected for further analysis in this assessment as detailed below. Additionally, in accordance with NEPA, the assessment of no action alternative is also included.

- **Alternative 1: No Action.** The no action alternative does not include any improvements at the Port of Wilmington or the Edgemoor Site. Although the no action alternative does not meet the purpose and needs of the project, it provides a comparative counterpoint to the proposed action, in accordance with NEPA.
- **Alternative 2: Create a new container port at Riveredge**. The initial concept for the project would consist of construction of a two-berth container port at Riveredge which is located on the Delaware River within the Riveredge Industrial Park, New Castle. The site is located approximately 2.5 miles south of the existing Port of Wilmington and just south of the Delaware Memorial Bridge. This alternative considers construction of a pile-supported berth structure with a 45-foot MLLW access channel to accommodate New Panamax vessels.
- **Alternative 3: Dredge the Edgemoor Site to -40 feet MLLW.** The project would consist of dredging an approximate 500-foot to 800-foot widening of the 800-foot existing width of the federal Delaware River Navigation Channel to a depth of -40 feet MLLW. Initial concepts about the port include the capability to berth two container ships simultaneously, with each ship being approximately

1,000 feet in length. This alternative examines the viability of the project at a depth shallower than the -45 feet MLLW of the federal navigation channel. While DSPC anticipates that most container ports along the Delaware River will be deepened to -45 feet MLLW to take advantage of the depth of the federal navigation channel, the current standard depth for other commercial ports along the Delaware River (e.g., Philadelphia, Camden, and Paulsboro) is -40 feet MLLW.

- **Alternative 4: Dredge the Edgemoor Site to -45 feet MLLW.** The project would consist of dredging an approximate 500-foot to 800-foot widening of the 800-foot existing width of the federal Delaware River Navigation Channel to a depth of -45 feet MLLW. This project proposes to construct a berth to accommodate two container ships simultaneously, with each ship being approximately 1,000 feet in length. By dredging to -45 MLLW, the proposed project will make the Port compatible with New Panamax Vessels and take advantage of the deepening of the federal navigation channel as was forecast by that project. The proposed project is based on this alternative.

2.2 Alternative Evaluation

The four alternatives selected for assessment were evaluated to compare their viability of meeting the purpose and needs of this project. To evaluate the alternatives, the following criteria were used for the assessment.

- **Vessel and Cargo Capacity Improvements.** As mentioned above, current port operations are limited due to vessel size and cargo throughput constraints. Vessel size constraints are mainly due to the inability to accept fully loaded New Panamax vessels at the -38 feet MLLW Port of Wilmington berths. Additionally, while several cargo handling and storage constraints have been identified at the port, any improvement to increase port operations is limited due to the amount of backland storage availability.

  Multiple factors figure into determining cargo capacity. For this assessment, cargo capacity of each alternative is based on berth capacity and onsite storage capacity. Berth capacity is assessed on the volume of general cargos (e.g., containers, cold storage, breakbulk), dry bulk, and roll-on/roll-off (RO-RO) transferred annually at the berth.

  Environmental Considerations. This assessment will compare the alternatives in terms of opportunities to minimize the impact to the environment. Environmental considerations are balanced between positive and negative impacts. In consideration of positive environmental impacts, the project is anticipated to remove river sediment during dredging that will consequently result in the removal of sediments that contain hazardous substances, such as aromatic hydrocarbons (PAHs), metals, dioxins and furans and polychlorinated biphenyls (PCBs). PCBs are of particular concern in the Delaware River due to their bio-accumulating properties, chemical stability, and environmental toxicity. Potential PCB removal will be assessed for each alternative.

  Conversely, there are potential adverse environmental impacts associated with the removal of the dredge material related to the disturbance of established benthic habitat, which may be of value for ecological health of the river system. Benthic habitats commonly occur along the Delaware River riverbed and in general consist of soft

sediments containing benthic organisms in the project area. The existing benthic ecosystems may act as important foraging grounds for several fish species, including the federal endangered Atlantic and short-nosed sturgeons. Impact to the benthic habitat for each alternative will be assessed.

Additional environmental considerations are related to the potential reuse of dredged material and the placement of the material for storage in the absence of reuse. This includes the use of existing CDFs and the potential for development of new storage facilities needed to support both the initial construction of the berth area and access channel as well as the long-term maintenance to assure adequate access and maximizing efficiencies for the shipping market and customers of the Port. The DSPC Strategic Master Plan identified and evaluated four potential locations to be used as CDFs to accommodate dredged sediments from expansion alternatives—the Port of Wilmington, Riveredge, and Edgemoor. The storage sites were:

- Wilmington Harbor South (WHS), a USACE-owned CDF currently used for placement of materials from dredging the Port of Wilmington berth on the Christina River;
- Developing capacity at the Oldmans Creek (15G) site in New Jersey;
- Lands currently owned by the Delaware City Refining Company near Delaware City, Delaware; and
- A former waste lagoon at First State Crossing known as Operable Unit 2 (formerly Claymont Steel) in Claymont, Delaware.

The report estimates the long-term life of WHS to be 12.3 million cubic yards with the three other locations all estimated to have the potential to hold similar capacities if developed. The current capacity of WHS is estimated at 4 million cubic yards following the completion of an ongoing dike raisings. The DSPC Strategic Master Plan also estimated construction costs for these areas and also maintenance costs for existing CDFs– Wilmington Harbor South and Wilmington Harbor North.

Two primary factors determine the potential for reuse and/or long-term storage of dredged material—grain size and composition and levels of contaminants in the sediments. Much of the dredged material in the area of the Delaware River where the project is located has historically been primarily smaller grain silts which are generally unsuitable for beneficial reuse for construction purposes and therefore have been deposited in CDFs. The CDFs serve as locations where dredged material dries over time and are permitted to allow the discharge of water that drains from the sediments back to the Delaware River. The second factor is the level of contaminants that may be found in sediments. Higher levels of contaminants may exceed threshold standards that are designed to protect public health and the environment and render the material as unsuitable for reuse in certain construction activities.

Alternatives for storage of dredged material are included in this analysis and based on evaluations that were included in the Port of Wilmington Strategic Master Plan.

- **Cost Effectiveness.** Total project cost and cost effectiveness are considerations in comparing the alternatives. Evaluation of these factors relies primarily on the Port of Wilmington Strategic Plan.

- **Economic Development and Sustainability.** The purpose of this project is to modernize and grow the State of Delaware's international maritime trade capabilities to support the State of Delaware's and the region's economy. The project is expected to increase economic growth based on the attraction of business to the region. The alternatives will be assessed based on their potential to benefit the State of Delaware's and the region's economy.

2.2.1 Alternative 1 - No Action Alternative

The no action alternative involves no channel or port improvements at the Port of Wilmington. No actions would be performed at the Riveredge or Edgemoor sites.

2.2.1.1 Vessel and Cargo Capacity Improvements.

Under the no action alternative, no vessel or cargo capacity improvement would be made at Port of Wilmington or at the Riveredge or Edgemoor sites. According to the DSPC Strategic Master Plan, the current capacity at the Port of Wilmington's berths is estimated to be 3.7 million tons of cargo. Approximately 1.7 million tons of that capacity is used for dry bulk, which isn't stored at the Port of Wilmington. Based on the available storage capacity, it is estimated that the Port of Wilmington only has the space to accept 79% of the containers, 27% of the RO-RO, 30% of the cold storage, and 35% of the berth's breakbulk capacity based on 2015 throughput.

2.2.1.2 Environmental Considerations

Under the no action alternative, no new impacts (either positive or negative) to the environment are anticipated as no new infrastructure would be added to the Port of Wilmington or at either the Riveredge or Edgemoor sites.

2.2.1.3 Cost Effectiveness

Under the no action alternative, no new capital costs are anticipated. However, DSPC estimates that the State of Delaware spends approximately $15 million each year subsidizing operating losses and capital expenses at the Port of Wilmington. With no new investment, those operating losses are expected to continue.

2.2.1.4 Economic Development and Sustainability

Under the no action alternative, no significant increases to economic development would be anticipated. The Port of Wilmington is estimated to currently sustain approximately 5,600 jobs and per year generates $417 million in business revenue, $391 million in personal income, and $39 million in regional tax revenue. Without expansion of the Port's capability, the relevance of the Port may dwindle in comparison to the other east coast ports that can and will be able to accept New Panamax shipping, and jeopardize or diminish these positive economic attributes of the Port.

2.2.2 Alternative 2 – Riveredge

Alternative 2 proposes to expand the Port of Wilmington at the Riveredge site through the construction of a new two-berth fully automated container terminal at the industrial park currently on the site. This alternative is based on the concept identified in the DSPC Strategic Master Plan as Alternative 3.

This proposal presumes construction of the new berth to a maintained depth of -45 feet MLLW and that new demand for a containerized cargo shipping would support the proposed facility.

2.2.2.1 Vessel and Cargo Capacity Improvements

New construction to support the operation would include an estimated nine support buildings, new electrical substation and distribution system, and new access roadway to Cherry Lane.

Cargo capacity for the facility is projected at 970,000 TEUs (5,700,000 tons) with no dry bulk or RO/RO cargo anticipated. Rail access is available with construction of seven new freight rail sidings from the existing Norfolk Southern Delaware City railroad and service from Norfolk Southern, which provides services in the immediate vicinity.

2.2.2.2 Environmental Considerations

Impacts to potentially high value wetlands and a significant dredge load from initial construction and annual maintenance are identified as considerations such that the environmental and site civil permitting for this alternative are considerably more challenging than other alternatives evaluated in the DSPC Strategic Master Plan.

The Riveredge project site spans separate local government jurisdictions between the City of New Castle and New Castle County. These jurisdictions have different development ordinances and development requirements. Those differences represent a degree of complication that does not exist with the other alternatives.

Dredging of the berth will require a subaqueous lands permit from Delaware DNREC and an individual permit under Section 404 of the Clean Water Act and Section 10 of the River and Harbors Act from the USACE. Any fill in the flood plain will require the approval of New Castle County.

Approximately 23 acres of wetlands under state and federal jurisdiction are expected to be impacted by construction of the facility. The filling, if permitted, will require mitigation for the loss of the wetlands. The habitat value of the wetlands is not known. However, the wetlands are located within the feeding radius of the Pea Patch Island Heronry as it is identified in the management plan for that resource. That fact alone suggests that the wetlands habitat value might preclude issuance of a permit to fill the wetlands or increase the challenge of designing an appropriate mitigation for the impacts. Initial construction of the berth and 4,000-foot long access channel through

shallow tidal flats is expected to require removal of 7.5 million (MM) to 8MM cubic yards of sediment, with annual maintenance dredging expected to require removal of 1MM to 2MM cubic yards.

The preliminary estimate of the area impacted by dredging an access channel and berth at Riveredge is 130 acres. Developing a berth at the Riveredge site likely will require several new disposal areas to manage initial construction and maintenance dredging needs.

Environmental characterization of the sediments to be excavated would be necessary to support assessment of potential impacts to water quality and biota at the project location and impacts to a future dredge material storage location. Although specific environmental conditions of sediments are not known, as a general assumption, the removal of sediments containing elevated concentrations of hazardous substances should be considered a benefit to the ecological health of the Delaware River and Bay, assuming the sediments meet regulatory standards that allow for their placement in a storage facility. (DSPC Master Plan). Environmental conditions of the landside portion of the proposed facility were not evaluated at the time the DSPC Master Plan was prepared and are in fact, unknown.

2.2.2.3 Cost Effectiveness

According to the DSPC Strategic Master Plan, costs for construction of a new container port at Riveredge to include cranes and yard equipment, buildings and berth is estimated at $882.4MM (2016 dollars). Not included are costs for property acquisition, site demolition work, off port roadway improvements, or environmental mitigation for wetland impacts. Although a return on investment was prepared as part of the Master Plan, results were not made public due to the confidential nature of the information. Total time to implement plans for the Port to operational readiness was estimated at more than seven years.

A new fully automated container port at Riveredge is expected to effectively double the Port's general cargo capacity, increasing it by 6,040,000 tons. Dredged to -45 feet MLLW, the facility is expected to accommodate New Panamax ships.

Because the volume of dredge material from Riveredge is much larger than the other alternatives, containment of the sediments generated by initial dredging of an access channel for the site limits available options of sites with sufficient capacity to contain this volume. Developing a berth at the Riveredge site likely will require several new disposal areas to manage initial construction and maintenance dredging needs.

2.2.2.4 Economic Development and Sustainability

Although well-positioned to serve the mid-Atlantic region, a new container port facility at Riveredge would be placed in the competitive market with the

other ports in the region, including the larger ports of New York/New Jersey, Norfolk, Philadelphia and Baltimore.

While the overall growth of trade at container ports in the U.S. was 5.7 percent between 1995-2015, growth is predicted to slow to 3.8 percent over the next 20 years. The four main container ports in the mid-Atlantic area from New York/New Jersey to Norfolk, including Philadelphia and Baltimore, handled a combined 10.2 million TEUs in 2015. Projected growth for these ports is expected at about 4 percent annually with total new, incremental volume at 2.6 million TEUs between 2015 and 2020, with another 6.4 million TEUs between 2020 and 2035. (DSPC Strategic Master Plan)

In order to maintain access for New Panamax ships and take full advantage of the main channel depth of the Delaware River, the access channel and berth area would need to be maintained at -45 feet MLLW. Preliminary estimates indicate that 1MM to 2MM cubic yards of material would need to be removed annually in order to maintain the -45 feet MLLW depth in both the channel and berth. This estimated volume and estimated volumes for initial construction of the access channel and berth would require construction of additional dredge storage areas.

Norfolk Southern does not serve the site currently, but has a railroad nearby and could serve the facility, which would require construction of new rail infrastructure to provide connectivity. Access to double stack rail connectivity to the regional freight network is challenged due to the number of overhead bridge height restrictions. This restriction is common to all of the alternatives.

2.2.3 Alternative 3 - Edgemoor Site Dredging to -40 feet MLLW.

Alternative 3 includes the construction of a new berth at the Edgemoor Site, which would be dredged and maintained at -40 feet. MLLW. Constructing a new berth at the Edgemoor Site with a maintained depth of -40 feet would include the following:

- Construction of a harbor access channel with a maintain depth of -40 feet. MLLW; and,
- Construction of a containerized cargo berth with a maintain depth of -40 feet MLLW.

This alternative is based on the initial development proposed during DSPC Strategic Master Plan as alternative 4. However, rather than a proposed depth of -45 feet MLLW, the access channel and berth depth will be limited to -40 feet. MLLW. This alternative was requested by USACE to assess the project at an interim depth.

2.2.3.1 Vessel and Cargo Capacity Improvements.

This proposal considers the construction of a new 2-berth container terminal with a pile-supported wharf structure. Due to the limited dredge depth of -40 feet MLLW, this alternative would not allow for the acceptance of fully load

New Panamax vessels. Without the ability to accept New Panamax vessels, the new port will not perform at an optimum efficiency and the goal of the USACE's Main Channel Deepening to maintain the Delaware River ports as competitive deep water ports would not be fulfilled.

While vessel capacity improvement would not be fully achieved as a result of only a -40 feet MLLW maintained depth, an increase in cargo capacity is anticipated with the new berth. The Master Plan estimated the Edgemoor container terminal capacity at 970,000 TEUs (5,700,000 tons). No dry bulk or RO/RO is expected to be handled at the facility.

2.2.3.2 Environmental Considerations

The development of a container port facility at the Edgemoor site will repurpose the property from its former use as a heavy industry facility (chemical manufacturing plant). The Chemours Edge Moor Facility was closed under the oversight of the Delaware Department of Natural Resources and Environmental Control (DNREC) through a Resource Conservation Recovery Act (RCRA) Corrective Action. Specific areas of the facility with engineered controls in place required by the RCRA Closure will need to be considered in plans for the landside infrastructure. Potential modification or alterations to the engineered controls will require the review and approval and oversight by DNREC.

As with the Riveredge site, the environmental conditions in the sediments and soils of the proposed berth and access channel areas for the Edgemoor site were not evaluated as part of the DSPC Master Plan development. Sediment, soil and water quality have been quality have since been characterized to support dredging, storage and reuse of the materials within the project area (Appendix 2). An assessment of the site following the DSPC Strategic Master Plan development found no jurisdictional wetlands at the Edgemoor Site. Dredging of the berth will require a subaqueous lands permit from Delaware DNREC and an individual permit under Section 404 of the Clean Water Act and Section 10 of the River and Harbors Act from the USACE. Any fill in the flood plain will require approval of New Castle County.

An assessment of the proposed berth area as benthic or essential habitat was conducted following the development of the DSPC Master Plan and concluded that there is no submerged aquatic vegetation in the area proposed to be dredged to construct the berth and access area. The issue of benthic habitat is discussed in more detail in Appendices 11 and 13.

The project also requires evaluation for its potential impacts on rare, threatened or endangered species. A Biological Assessment was conducted following the development of the DSPC Master Plan. Both the Atlantic and shortnose sturgeon are found in the project area and both are listed as federally endangered species therefore both species are of primary concern. Sea turtles and whales are considered of secondary concern for purposes of this assessment as although none are found in the direct vicinity of the

project, a number of species of both are found in the larger Action Area of the project, downriver of the project site in the Delaware River and Bay.

The Biological Assessment concluded that the impacts of the project; dredging, pile driving and associated activities are insignificant on sturgeon, turtles and whales, although impacts to Atlantic Sturgeon may result from vessel traffic, but those impacts do not jeopardize the continued existence of the species. The Biological Assessment and conclusions are found in Appendix 13.

The site is located in an area of the Delaware River known to be associated with maximum turbidity conditions and potentially high depositional rates of sediments for some areas outside of the channel and deeper reaches of the river. This will require periodic maintenance dredging potentially accompanied by the installation of anti-sedimentation technology in the wharf area to minimize accumulation of sediments in the berth.

Analysis for storage of dredged material from construction of the Edgemoor site at 40 feet MLLW is consistent with that identified in the alternatives description for Edgemoor in Section 2.2.2.2 in that four locations were assessed in the DSPC Master Plan for potential use in supporting the expansion of a new container port facility at the current Port, Riveredge and Edgemoor locations.

Because of the location and proximity of the Edgemoor site and potential berth to the main channel of the Delaware River, the Master Plan indicated that dredging and maintenance requirements were expected to be minor compared to the Riveredge site. Total volume of dredged material from initial construction of the berth and access channel is estimated at 2.3 MM cubic yards. These estimates were developed following the completion of the DSPC Strategic Master Plan.

2.2.3.3 Cost Effectiveness

The DSPC Strategic Master Plan estimated the cost of building a new conventional container port at Edgemoor to be $477,200MM (2016 dollars). Costs were estimated with the assumption that a new port facility would be dredged to a depth of -45-feet MLLW.

Dredging to a depth of -40 feet MLLW would result in lower costs due to less material being dredged which is estimated at 2.3 MM cubic yards due to a shallower depth. The overall dimension of the berthing area will be the same under both the -40 foot and -45 foot alternatives.

Beyond those categorical costs associated with dredging, costs associated with landside infrastructure needed to support operations would be expected to be similar to a facility constructed to -45 feet MLLW. Container storage and transportation improvements, including road and rail, energy systems, water, sewer and other utility needs would be approximate. Administrative and security requirements likewise would be similar. Under a -40 foot

MLLW alternative, smaller cranes may be utilized to load and offload containers due to smaller ships utilizing the port.

Although a more shallow port would not be able to accommodate New Panamax class ships, the TEU volume expected would likely still require the full buildout of the Edgemoor site to accommodate container handling and storage. This is based, in part, on the transfer of container ship loading and offloading that is expected to be relocated from current operations at the Port of Wilmington to the Edgemoor location to allow expansion of other cargo handling at the Port of Wilmington.

2.2.3.4 Economic Development and Sustainability

Construction of a new container port is estimated at approximately $400 million and does not include any costs for land acquisition as the Edgemoor property has already been acquired by the Diamond State Port Corporation. The footprint of the property is expected to be fully utilized by the infrastructure planned for the site. Any expansion of the Port requiring additional acreage would necessitate the acquisition of adjoining or nearby lands.

The expansion at Edgemoor is expected to allow for the handling of approximately 970,000 TEU or 5.7 million tons. With the expansion of Philaport in Philadelphia, this will increase the Delaware River ports' capacity to accommodate new growth in the container market and take advantage of the deeper 45-foot channel depth of the Delaware River. The Ports of New York/New Jersey, Baltimore and Norfolk have already deepened their berths to 50 feet. Other ports along the east coast from Boston to Florida are planning or have initiated deepening of their berths beyond 45 feet to accommodate greater container cargoes of up to 14,000 TEU per ship.

The DSPC Strategic Master Plan concluded that container cargo capacity in 2016 was between 238,000 – 325,000 containers at the existing Port of Wilmington and noted that storage capacity for fruit operations was limited. Even with the transfer of this volume of container operations to Edgemoor, with East Coast ports either already at -45-feet or planning deeper draft facilities, the construction of a new container port in Delaware to only -40-feet does not appear economically sustainable given the conservative estimates of growth of the container cargo market in the mid-Atlantic region. As fleet turnover continues with new, larger ships comprising a larger percentage of the available fleet, ports will seek to accommodate these vessels in order to remain economically competitive.

The Edgemoor site is immediately adjacent to I-495 providing quick access to the region's interstate highway system and markets in the mid-Atlantic and Northeast region. Site feature limitations are limited and allow for design of truck entrance and exit routes that will maximize efficiency for container loading and unloading.

Norfolk Southern rail infrastructure currently serves the existing property and will continue to serve the facility. Rail access connects to the facility and includes a near dock intermodal yard at the site. As with all of the alternatives, double stack rail connectivity to the regional freight network is challenged by the number of overhead bridge height restrictions.

Access of the site to adequate electrical transmission and distribution systems will allow for cargo handling equipment such as cranes, lifts and rubber tired gantrys to be powered with electricity rather than diesel engines, minimizing air emissions that might otherwise contribute to Delaware and the region's air quality challenges associated with meeting standards for ground-level ozone. The use of electric-powered equipment will also assist the facility in minimizing its greenhouse-gas emissions.

The location and elevation of the Edgemoor location provides resiliency from the effects of climate change and sea level rise. DNREC, in its *Sea Level Rise Vulnerability Assessment for the State of Delaware*, examined the potential impact of sea level rise on the state's industrial and manufacturing sectors. The inundation model showed the inundation risk to upland buildings was low in the industrialized area along the Delaware River in New Castle County but that other associated structures could be affected. Under the scenario of a 1 meter rise in sea level, the report identified only the existing docking facility that served the former Chemours plant and a limited area of shoreline, as being exposed. (DNREC Preparing for Tomorrow's High Tide 2012).

The upland footprint of the Edgemoor site is expected to be fully utilized in order to accommodate needed infrastructure and container storage. Any future expansion of the facility would require the acquisition of adjoining or nearby property.

2.2.4 Alternative 4 - Edgemoor Dredging to -45 feet MLLW.

2.2.4.1 Vessel and Cargo Capacity Improvements.

This alternative proposes the construction of a new 2-berth container terminal with a pile-supported berth structure to a depth of -45 feet MLLW. A berth constructed at this depth allows the Edgemoor facility to accommodate the full range of container vessels that are able to navigate the Delaware River at its new completed depth of -45 feet. MLLW, including larger ships being introduced into US routes as the average size of container ships increases with time.

Vessels serving ports with dry bulk, liquid bulk and Ro/Ro have all increased in size but the largest recent increases in ship size has been in container ships

due in part to the intense competition within the containerized trades and the need for ship owners to minimize costs. As the newest and largest vessels are introduced in the Asia-Europe trade, the size of vessels that serve the United States will likely increase due to the cascading of vessels from the Asia-Europe trade. (Port Performance Freight Statistics Program – USDOT)

The wharf will be designed to accommodate two ships capable of holding up to 12,000 TEUs to be docked simultaneously and is expected to be approximately 2,600 feet in length. The design also includes a 1700 ft. turning basin to allow safe navigation in and out of the berth from the main channel of the Delaware River.

2.2.4.2 Environmental Considerations

Most of the environmental considerations associated with the Edgemoor -40 foot MLLW alternative also hold for the Edgemoor -45 foot alternative with the primary difference being the amount of dredged material from the initial construction of the berth. The total estimated volume of material generated from construction to -45ft. MLLW is 3.2 M cubic yards..

The development of a container port facility at the Edgemoor site will repurpose the property from its former use as a heavy industry location with a chemical manufacturing plant. The Chemours Edge Moor Plant was closed under the oversight of the Delaware Department of Natural Resources and Environmental Control (DNREC) through a Resource Conservation Recovery Act (RCRA) Corrective Action. Specific areas of the facility with engineered controls in place required by the RCRA closure will need to be considered in plans for the landside infrastructure. Potential modifications or alterations to the engineered controls will require the review, approval and oversight by DNREC.

The environmental condition of the proposed berth area that will require dredging is also a consideration regarding the level of any contamination in the sediments and the appropriate reuse and/or storage of the dredged sediments. Dredging to -45 feet MLLW would not be expected to change the concentrations or types of any contaminants found in the sediments. Persistent bio-accumulative toxic contaminants such as polychlorinated biphenyls, dioxins and furans are generally found in the upper layers of sediments, primarily silty materials that accumulate in the river over time as a function of runoff from upland areas.

The area also was assessed following the development of the DSPC Strategic Master Plan for its value as wetland or benthic habitat for aquatic life. The assessment determined that there are no jurisdictional wetlands that will be impacted by the project. Dredging of the berth will require a subaqueous lands permit from Delaware DNREC and an individual permit under Section 404 of the Clean Water Act and Section 10 of the River and Harbors Act from the USACE. Fill in the flood plain will require approval of New Castle County.

An assessment of the proposed berth area as benthic or essential habitat was also conducted following the DSPC Master Plan and concluded that there is no submerged aquatic vegetation in the area proposed to be dredged to construct the berth and access area. The issue of benthic habitat is discussed in more detail in Appendix 11.

The project also must be evaluated for its potential impacts on rare, threatened or endangered species. A Biological Assessment was conducted following the development of the DSPC Master Plan. Both the Atlantic and shortnose sturgeon are found in the project area and both are listed as federally endangered species therefore both species are of primary concern. Sea turtles and whales are considered of secondary concern for purposes of this assessment as although none are found in the direct vicinity of the project, a number of species of both are found in the larger Action Area of the project, downriver of the project site in the Delaware River and Bay. Any impacts on these species are not expected to be any greater than if the -40 – foot dredge alternative was pursued.

The Biological Assessment conducted following development of the DSPC Master Plan concludes that the impacts of the project; dredging, pile driving and associated activities are insignificant on sturgeon, turtles and whales although impacts to Atlantic Sturgeon may result from vessel traffic but those impacts do not jeopardize the continued existence of the species. The Biological Assessment and conclusions are found in Appendix 13.

The site is located in an area of the Delaware River known to be associated maximum turbidity conditions and potentially high depositional rates of sediments for some areas outside of the channel and deeper reaches of the river. This will require maintenance dredging potentially accompanied by the installation of anti-sedimentation equipment in the wharf area to minimize accumulation of sediments in the berth. Sedimentation issues are expected to be similar at either a -40 foot MLLW or -45 foot MLLW alternative.

Analysis for storage of dredged material from construction of the Edgemoor site at -45 feet MLLW is consistent with that identified in the alternatives description for Edgemoor in Section 2.2.2.2 in that four locations were assessed in the DSPC Strategic Master Plan for potential use in supporting the expansion of a new container port facility at the current Port, Riveredge and Edgemoor locations.

Because of the location and proximity of the Edgemoor site and potential berth to the main channel of the Delaware River, the Master Plan indicated that dredging and maintenance requirements were expected to be minor compared to the Riveredge site. Total volume of dredged material from initial construction of the berth and access channel is estimated at 3.2 MM cubic yards. These estimates were developed following the completion of the DSPC Strategic Master Plan.

2.2.4.3 Cost Effectiveness

Issues of cost effectiveness between the -40 feet and - 45 ft. Edgemoor alternatives are primarily centered around the initial construction costs associated with dredging and the efficiency of accommodating 45-foot draft vessels. Cost considerations of other elements of the project such as wharf construction, and site development costs for utilities, buildings, container transport and storage and related infrastructure are expected to be approximate between the two alternatives. One potential difference in cost is the expected larger size of cranes needed to offload New Panamax sized ships that could utilize a 45 ft- berth.

The 45-foot alternative will require removal of approximately 3.2 MM cubic yards of material which would result in higher costs than the -40-foot alternative which is expected to require removal of approximately 2.3 MM cubic yards. The construction dredging is expected to be completed over a two-year (three cycle) period in order to adhere to time of year restrictions to minimize impacts to fish populations.

This alternative also proposes to make use of the Wilmington Harbor South confined disposal facility for placement of the material. The facility is owned by the USACE and utilized for storage of dredged material from the ongoing maintenance of the Port of Wilmington on the Christina River.

2.2.4.4 Economic Development and Sustainability

Construction of a new container port is estimated at approximately $400 million and does not include any costs for land acquisition as the Edgemoor property has already been acquired by the Diamond State Port Corporation. The footprint of the property is expected to be fully utilized by the infrastructure planned for the site. Any expansion of the Port requiring additional acreage would necessitate the acquisition of adjoining or nearby lands.

Economic development opportunities are enhanced through the construction of a 45-ft. berth as a result of the ability to attract larger container vessels and the associated reduced transportation costs per TEU. A new container port with a berth at less than 45-feet will not be competitive in the mid-Atlantic region and, over time, with the average size of the container ship fleet increasing, would not expect to be economically sustainable.

The Edgemoor location provides additional benefits that should be considered, as identified in the 40-ft. alternative. These include:

- Access to the regional markets through proximity to I-495 and the Interstate highway system;
- Existing rail infrastructure and service availability to the site from Norfolk Southern

- Access to electrical transmission and distribution systems capable of delivering power to allow use of electric cranes, gantries and other infrastructure and equipment necessary to support port operations.
- Sufficient elevation of the site to allow sustainable operation in the event of sea level rise modeled to a 1 meter increase.

2.3 Comparison of Alternatives

The four alternatives evaluated in this assessment range from taking no action, constructing a new container port on the Delaware River at Riveredge or constructing a new container port at Edgemoor at either a 40-foot berth depth or a 45- foot depth.

Given the expected growth in the container market in the mid-Atlantic area, the forecasted container terminal capacity shortage in the mid-Atlantic area, the conclusion to expand container operations is a clear one. This conclusion eliminates the no action alternative from consideration.

A comparison of the Riveredge site to the Edgemoor alternative concludes that the Edgemoor location is the preferred site for further analysis. Primary considerations for eliminating the Riveredge site include the significant volume of sediments that would be required to be dredged in order to construct and maintain the berth and the amount of potentially high value wetlands that would be impacted by construction of the berth, wharf and upland infrastructure. The costs associated with dredging, constructing a new storage facility in the area to hold dredged sediments and mitigating wetlands impacts are key factors.

The final analysis to determine a preferred alternative is a comparison between a 40 ft. and 45 ft. berth at Edgemoor.

Limiting the depth of Edgemoor to less than the current 45-ft. navigation channel depth of the Delaware River ignores the need to lower transportation costs and the need to accommodate the container trades markets.

All of the container trades continue to evolve to larger containerships to lower transportation costs. As the Ultra Large Container Vessels (ULCVs) are deployed in the East-West trades, there is a cascading of relatively smaller, but still large vessels, to cover North-South trades, including the South America to US reefer trades. These cascaded vessels require depths of water of at least 45 feet to be economically efficient.

The need for the Edgemoor terminal is due to the forecasted terminal capacity shortage in the New York/New Jersey to Norfolk coastal range. The cargo growth will begin to exceed terminal capacity before 2023, when Edgemoor is planned to start operation. Edgemoor is projected to be fully utilized within five years of its start of operations.

That incremental international capacity will be transported on ships that require the 45- feet depth and more. As the main channel is limited to 45 feet, the terminal harbor is restricted to depths suitable to addressing vessels that can use the 45-feet depth within tide cycles.

A depth below 45 feet will not relieve the pressure created by the projected international container capacity shortfalls for the NYNJ-NRF region, as use of the terminal will not attract container services.

Environmental impacts associated with dredging to 40 versus 45 feet are similar with no distinct advantages associated with the shallower depth. The deeper depth would foster use of larger ships inherently improving fuel consumption per ton of cargo moved. The reduction in fuel consumption translates to fewer pollutant emissions to air, primarily nitrogen oxide, particulate matter and carbon dioxide.

The dredging of the Edgemoor harbor to less than 45 feet (navigation channel depth) is rejected, as it will not be able to attract sufficient usage by container lines, will not address international container capacity shortfalls for the NYNJ-NRF region and will not lower transportation costs, and affords no appreciable environmental benefit over a dredge to 40 feet.

This analysis also considers the alternatives identified for potential storage of dredged material from initial construction and future maintenance. The Master Plan included several locations in Delaware and New Jersey for construction of a new CDF and also assessed the potential use of the existing CDFs that are currently utilized for maintenance of the Christina River. The Master Plan estimated construction costs for new CDFs ranged from $4,3M to $88M. Wilmington Harbor South is an existing, permitted CDF located approximately 2.5 miles from the Edgemoor site and, with some modification, is able to accommodate the initial volume of dredged material from construction of a -45 MLLW berth and access channel at the Edgemoor location. The site is also able to accommodate future maintenance dredging needs from both the Port of Wilmington and the Edgemoor location, again with additional modifications. The USACE has indicated its desire to utilize WHS for as long as it is able to support maintenance dredging on the Christina River and has plans for raising the dikes to potentially 70 feet.

2.4 Applicant's Preferred Alternative

This comparison between the Riveredge and Edgemoor locations is weighted by the actions of the DSPC and the State of Delaware which acquired the Edgemoor location in 2016 for the purpose of expanding operations for the Port of Wilmington. The acquisition followed an extensive review during which time DSPC conducted its due diligence to identify any recognized environmental conditions and other issues that might impact the future use of the site.

The acquisition of the Edgemoor site was followed by the issuance of a request for proposals by DSPC to seek potential partners that would assume operations at the Port of Wilmington through a lease agreement, commit investments for upgrades at the Port and construct a new container port at Edgemoor. As a result of this process, a recommendation to enter into a 50-year concession agreement for the operation of the Port that includes capital expenditures by the leaser of $500 million, including a commitment to construct and operate the cargo facility at Edgemoor was approved by the DSPC Board of Directors and approved by the Delaware General Assembly in 2017.

The applicant's preferred alternative is to develop a new container port at Edgemoor at -45-feet MLLW.

The DSPC Master Plan developed alternatives for the disposal of the dredged material crated during future DSPC projects, including the creation of the during the Edgemoor harbor.

Several potential new disposal sites were identified and evaluated based on land acquisition and construction cost as well as environmental considerations. The evaluation also considered the anticipated long term disposal capacity in the existing USACE and private CDF's in this reach of the Delaware River and Christina Rivers. The applicant's selected disposal alternative consist utilizing existing USACE CDF for the placement of dredged material from the harbor construction through a WRDA Section 217(b) application for additional capacity. In accordance with the implementation guidance this process would begin following the evaluation of the project through a USACE regulatory action (e.g. Section 10/404 and Section 408 permits). Accordingly this EATD has been prepared based on the use of four CDFs along the Delaware River that are feasible for use of that will be included in the Section 217(b) evaluation. The Section 217(b) process determines the required compensated for by the applicant.

In addition to the placement of the majority of the dredged material in existing CDFs, a small portion of the dredged material (less than 10 percent) is anticipated to be beneficially reused onsite. The beneficial reuse is proposed to consist of the hydraulic placement of small quantities of the dredged material with limited onsite dewatering to prepare the material for use onsite as structural fill.

3.0 SUMMARY OF APPLICANTS PREFERRED PROJECT

3.1 INTRODUCTION

This section provides additional information and discussions of the details of the preferred alternative that is considered in the EATD. Information related to the sizing of the basin, wharf structures, dredging and construction activities are also included. Summaries of studies which have been performed at the site are also provided.

3.2 PROJECT DETAIL

3.2.1 Hydraulic Dredging Process

Based on volumes of dredging proposed for the Preferred Alternative, hydraulic dredging is proposed for the initial construction. The yearly maintenance dredging of the harbor access of the project is also proposed to be performed by hydraulic dredging. Hydraulic dredging is considered one of the most common methods for larger scale dredging operations. It consists of a ship which utilizes hydraulic pumps to suction a mix of sediments and water from the river bottom and pump the effluent through a discharge pipe up to several miles away. The suction intake contains a cutter head which rotates to disturb, or dig, the soil to be removed and mixes the cuttings with the suction water. The soil-water slurry then travels though the pump and piping until it discharges to the storage location. Figure 3.1.2-1 graphically depicts this process. The ship sweeps though the proposed dredge area, cutting away 2 to 3 foot sections of material per pass. The slurry material generally contains 25 to 30% sediment and 70 to 75% water based on USACE Engineering Manuals.

Typically, dredging occurs over a 15 to 18-hour cycle per day, and the production rate is dependent upon parameters such as the type of dredge, pipeline length, dredging depth, and sedimentology of the material.

The dredge discharge pipe is typically oriented to discharge into a confined disposal facility (CDF). CDFs can be constructed in water, along shore, or in “upland” areas along the river banks. There are a number of active CDFs along both shores of the Delaware River in the vicinity of the project site. Once inside the CDF, the dredged slurry begins to settle in a general succession according to grain size and/or flocculate (formed by aggregation of suspended solids) size, so that the finest sediment typically remains in suspension over the longest distance.

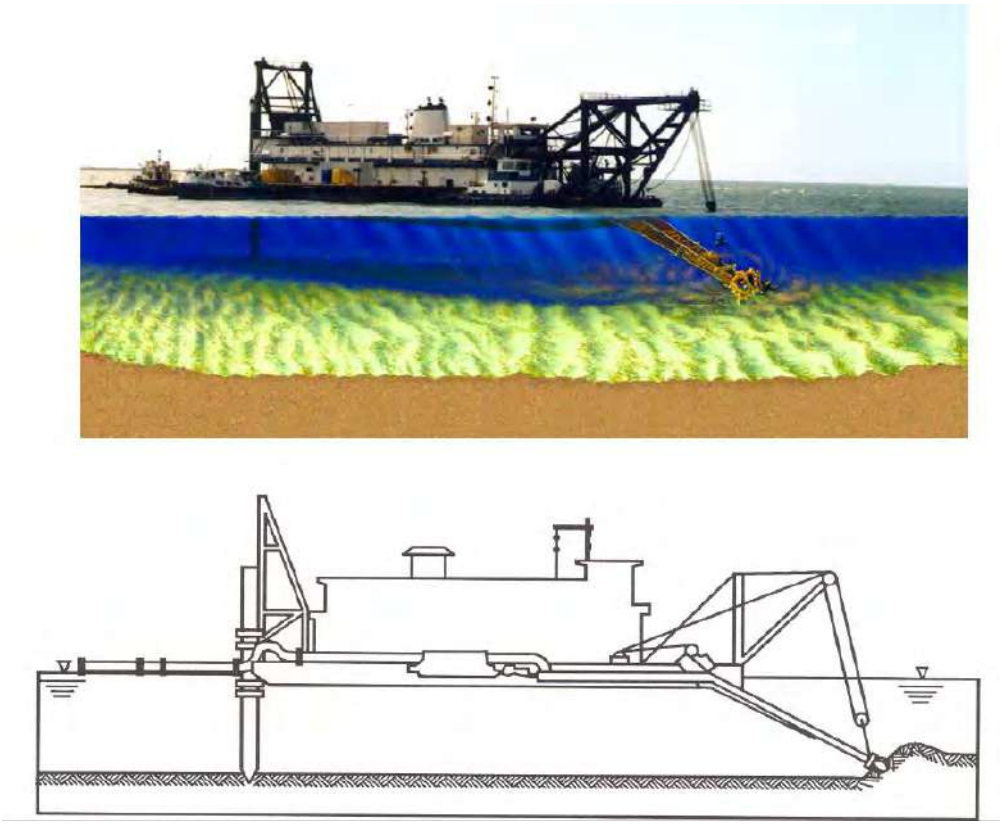


Figure 3.2.1-1: Hydraulic Dredging (USACE EM 1110-2-5025, 2015)

On the opposite end of the basin, a sluice box with a series of weirs is installed and is set at an elevation that controls the ponding depth within which flocculation of the fine-grained solids from the supernatant water occurs. As the settled solids accumulate on the bottom of the CDF, the ponding depth is adjusted so that the water depth can be maintained (typically at least 2 feet of water depth is maintained for effective flocculation). This is commonly achieved through the insertion of additional weir boards at the sluice boxes on an as-needed basis.

The downstream side of the sluice box contains a discharge pipe, which discharges the suitable effluent back to the river. This process is depicted in Figure 3.1.2-2.

Interior baffle dikes are used to create a longer flow path to provide additional retention time and increased efficiency for sedimentation to occur. Following dredging, the decanting of clean water from the surface of the CDF continues through the removal of weir boards until the free water is substantially removed, and the sediment remains as depicted in Figure 3.1.2-3.

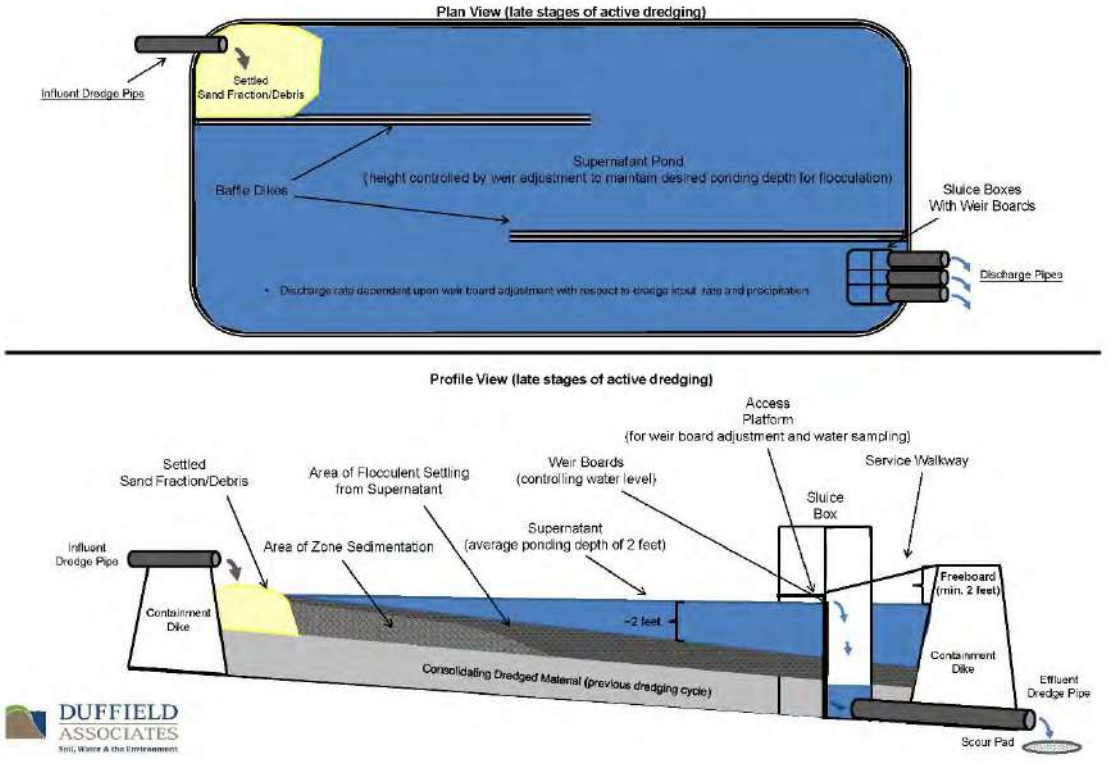


Figure 3.2.1-2: Schematic of CDF During Dredge Event

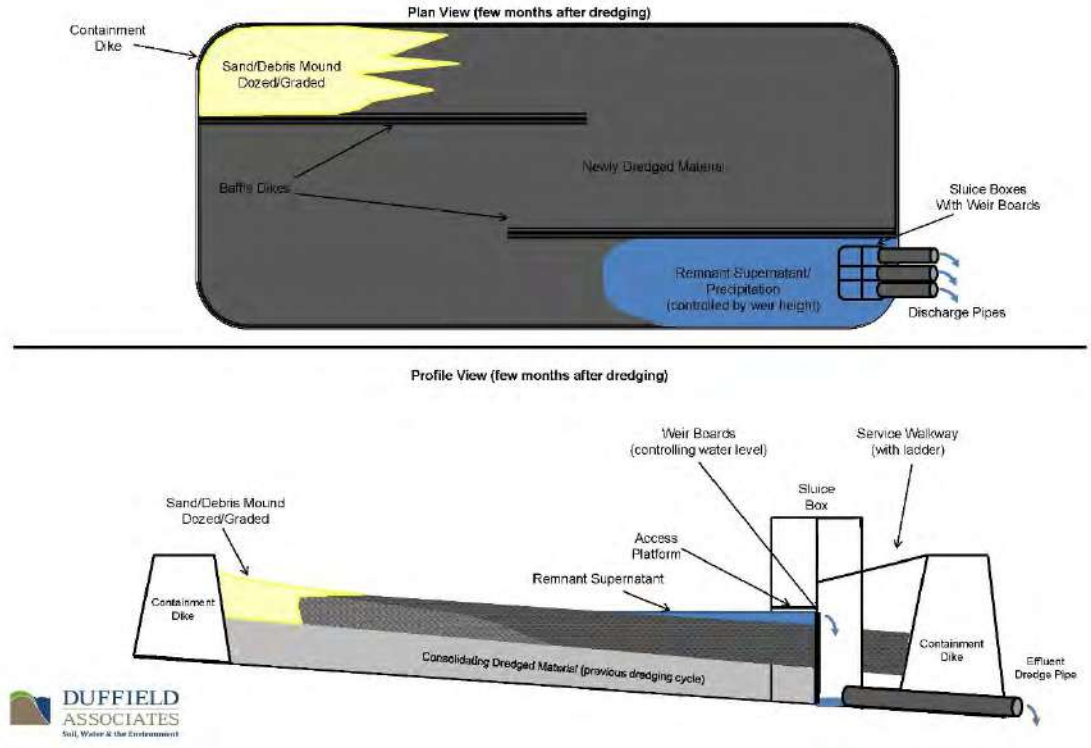


Figure 3.2.1-3: Schematic of CDF Following Dredge Event

Between dredge events, maintenance ditches excavated through the soft surface of the CDF promotes dewatering of the soil allowing for consolidation of the layers of sediment as well as removal of precipitation from the CDF as shown in Figure 3.1.2-4

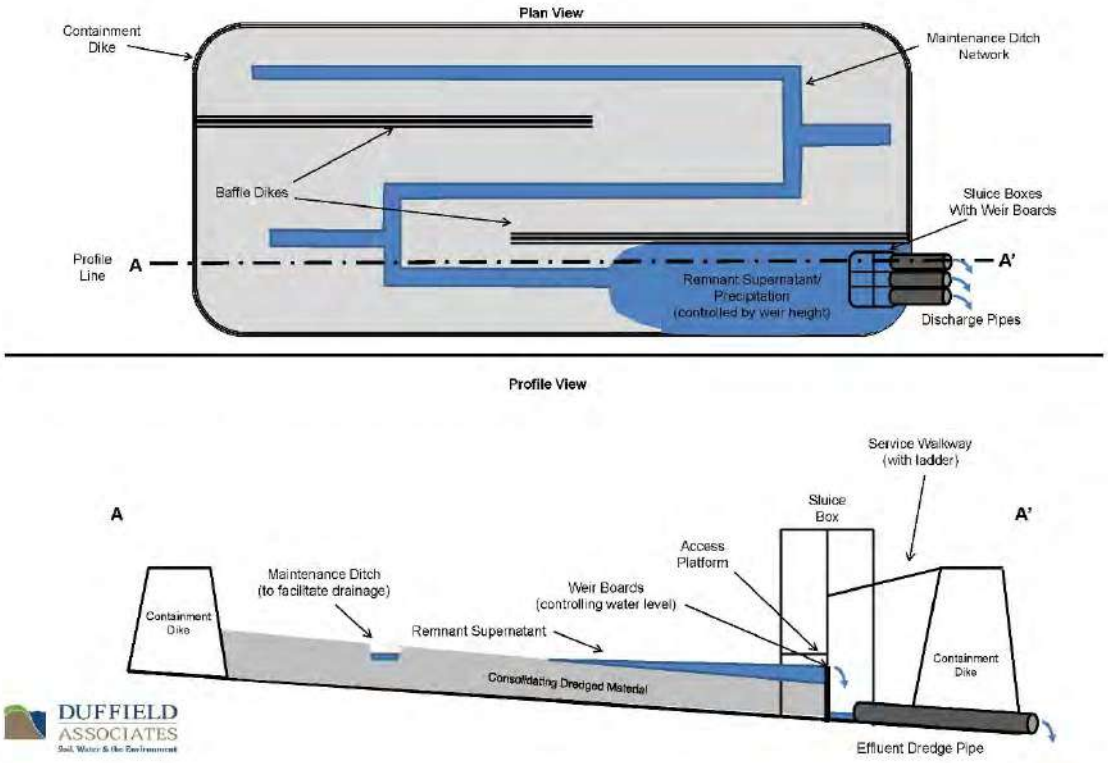


Figure 3.2.1-4: Schematic of CDF Between Dredge Event

By design, CDFs provide for a residence time that allows for a desired flocculation of the soil water slurry to maintain effluent concentrations that are set in accordance with regulatory limits. Generally, discharge from the CDF is limited by a minimum of 80% removal of total suspended solids (TSS) from the slurry; however the actual limits are set based on the local regulation and are site specific. The effluent suspended solids concentration is typically monitored throughout the dredging process and can be used to guide ponding depth adjustments at the weir (e.g., if suspended solids concentrations are too high, add weir boards at the sluice box to provide additional ponding depth to enhance flocculation from the supernatant. If concentrations are low and storage volume is limited, remove weir boards to reduce ponding depth). It should be noted that it is the standard of practices that operating procedures require at least 2 feet of dike freeboard beyond the anticipated bulked storage in the facility, so that the vertical limit of disposal of new material is predicated by the maximum dike height allowable for stability, the height of bulked storage from previous dredging cycles, and the minimum ponding depth (2 feet).

Near the peak of the dredging operation, effluent flow rate through the weir could approximate the influent flow rate from the dredge pipeline. However, it may remain below the influent rate depending on the sedimentation/flocculation rates of the

slurry. After a period of time (generally one to two months) the effluent volume released from the site gradually lessens, and is dependent upon such factors as rainfall and compression settling of the dredged deposit. Active maintenance activities, such as ditching, can be used to enhance dewatering and the rate of compaction to prepare the site for the next dredge cycle or dike raising.

3.2.2 Harbor Dredging and Dredged Material Disposal Plan

The Preferred Alternative includes dredging of the river bottom along the Delaware River main channel and the construction of harbor access and berthing areas along the port facility. The harbor access is proposed to include the construction of a 1,700-foot diameter turning basin on the downstream portion of the project sufficient for the largest design ship expected to use the facility, a 12,000 TEU container ship. The turning basin is inclusive of the Delaware River main shipping channel, with the harbor extending approximately 1,000 feet from the edge of the shipping channel at its widest. The proposed harbor layout is shown in the permit drawings included as Appendix 7.

The harbor of the Preferred Alternative is to be constructed with a flat bottom corresponding to a maintained depth of -45 feet MLW consistent with the maintained depths of the main shipping channel and is proposed to cover an area of 64.5 acres. The transitions into the harbor from the up river and down river subaqueous slopes are to be dredged to a 6 horizontal to 1 vertical slope, and the slope along the shore is proposed to be dredged to a 3 horizontal to 1 vertical slope for a total area of 86.9 acres of dredged footprint. This grading profile results in a total dredge (excavation) volume of 3,325,000 cubic yards of material.

A study establishes that the with pre-dredging dike maintenance USACE Reedy Point Complex (includes both Reedy Point North and Reedy Point South CDFs), as shown in Figure 3.2.2-1 would have adequate air capacity to dispose of the dredged material generated during construction of the project, if USACE determines that excess capacity to the USACE project. As such, the Reedy Point Complex currently is the primary choice for the bulk of the dredge material dewatering and storage needs. The study establishes that Reedy Point North Disposal Area has sufficient capacity to facilitate the disposal of the dredged material from the Edgemoor construction dredging in its existing diked footprint of 115 acres. However, use of the site would require maintenance to the infrastructure (e.g. replacement of sluice box) to permit dredging activities. Reedy Point South Disposal Area is an active disposal area which would not require dike raising or infrastructure maintenance prior to use for the project. However, Reedy Point South is more regularly utilized for other local projects which might affect Edgemoor Expansion Project scheduling. A copy of this study is provided in Appendix 6.

Additional CDFs along the Delaware River shoreline include Wilmington Harbor South and Wilmington Harbor North Disposal Areas as shown in Figure 3.2.2-1. The Edgemoor expansion initial construction dredging is planned over at least three dredge cycles into existing CDFs located along the Delaware River. The applicant performed a study to evaluate the feasibility of utilizing the Wilmington Harbor

South Disposal Area for the disposal of the initial dredged material. A copy of the evaluation has been included as Appendix 6.

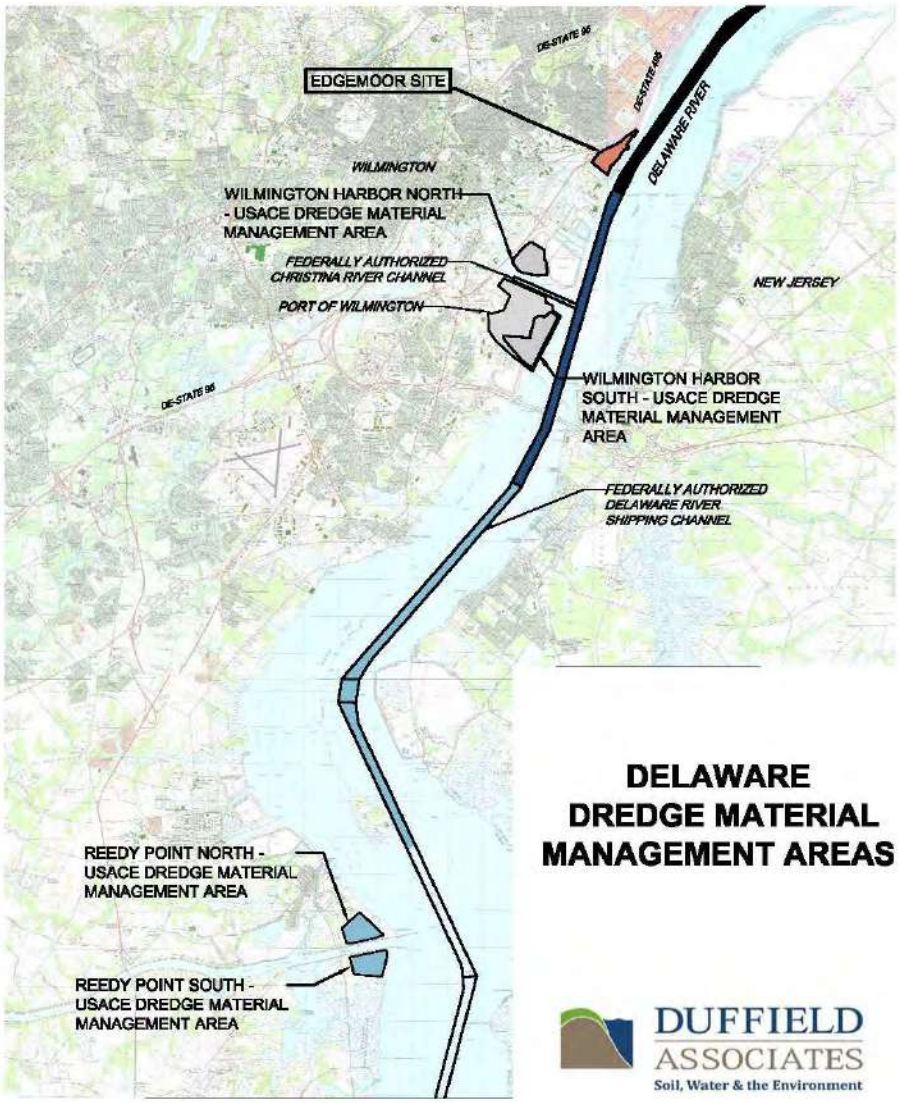


Figure 3.2.2-1: Delaware Dredged Material Management Areas.

The study establishes that the Wilmington Harbor South Disposal Area would have sufficient "air capacity" to store the construction dredged material over multiple dredge events with minimum dike height of 11 feet at the start of construction; however, the disposal area would be utilized to its short term (e.g. diked capacity) during the first two events, with dewatering activities between to establish additional capacity. The study also indicates that it may be appropriate for a contingency disposal area to be available based on the volume of the proposed dredging events.

The study demonstrates that portions of the dredged material, which consist of a combination of soft mud soil, dense sand soils, and dense clay soils could be dredged to these areas. The cost associated with the additional pumping equipment and

disposal area preparation necessary to utilize these CDFs for some of the dredged material of the dredge may be prohibitive; but they are suitable options for the project. Limited diked capacity also remains in the Wilmington Harbor North Disposal Area (on the order of 500,000 cubic yards). While it does not appear practical to perform additional dike raisings in this facility, the remaining capacity would be suitable for use as a contingency disposal, or to facilitate project staging.

Further, reuse of several hundred thousand cubic yards of dredged sediments as fill on the Edgemoor site is being considered. Likely, a purpose constructed CDF on the Edgemoor site would be necessary to facilitate this potential reuse option. The fill would be dewatered, stored and used as fill above the elevation of mean high water as part of site construction. Fill placed below the elevation of mean high water, along the land side of the proposed bulkhead would consist of imported granular borrow suitable for the use.

The study also establishes that there is sufficient capacity in these existing Delaware confined disposal facilities to accommodate the yearly maintenance dredging. It is noted that if the Applicant's submission for AOM of the harbor channel under Section 204(f) of the Water Resources Development Act (WRDA) 1986 is approved, the CDFs utilized for the maintenance dredging would be the responsibility of the Operations Section of the Philadelphia District of the USACE and may be modified.

3.2.3 Associated Construction Activities

The Preferred Alternative also includes the portion of the landside development which transitions to the harbor dredging. This includes the associated construction of the wharf structure integrated with a site retention system along the docks and the extension and termination of the site retention system at each end of the site. These structures have been considered in the permitting process and are defined further herein and depicted in the project permit drawings included as Appendix 7.

The wharf structure is proposed to extend along the Delaware River and is to provide 2,600 feet of berth footage along the riverside face. The structure is to consist of a high-deck structural concrete structure with fendering along the river side. The dock structure is proposed to be 125 feet wide (for a total wharf square footage of 325,000 square feet not including the fender system). The wharf will be supported by a pile system consisting of 24" diameter steel pipe piles spaced roughly 10 foot on center. The piles will be coated with an epoxy coating for corrosion protection.

The deck will include two crane rails for support of a series of electric mobile gantry cranes for ship loading and unloading. The crane rail will be structurally integrated with the deck structure with an additional row of piles spaced at 5 foot on center along the full length of the dock face. No isolated mooring structures or floating dock structures are proposed.

The deck will transition to land at the landward side of the wharf structure at a sheet pile retaining wall/bulkhead. The sheet pile wall, which will also be coated for corrosion protection similar to the piles, will span an exposed height on the order of 25 feet. The retaining wall will include a dead man anchorage constructed in the landside fill. The retaining wall will be integral with the wharf along the 2,600 foot

deck. On the up river side, the retaining wall returns toward the site transitions out of the subaqueous lands and terminates. On the down river end of the site, the sheet pile wall extends out of the subaqueous lands and continues to the property line to facilitate the site grading requirements.

3.2.4 Sediment Fans

In order to reduce the volume of maintenance dredging associated with this project and to maintain functionality of the berths, the Applicant is proposing to install a sedimentation reduction device along the face of the wharf consisting of a series of sediment fans consisting of a SedCon® Turbo System. The sediment fans are to be spaced every 200 feet along the wharf face. The units are secured to the dock structure on a batter pile extending beneath the dock structure as depicted in the permit plans in Appendix 7.

An illustration of a Sediment fan unit is provided as Figure 3.2.4-1. In operation, water is drawn into the top of a 48-inch diameter ("J-shaped" tube), passes through a hydraulically powered pump impellor, and is discharged as a jet along the bottom of an area being protected. The hydraulic power is provided from a landside structure which provides the hydraulic pressure to the fully submerged unit. The hydraulic fluid consist of a biodegradable vegetable oil suitable for water applications. The fans within the units are configured to rotate at speeds on the order 275 revolutions per minute and provide a 4 inch screen at the larger intake end and provide an open space of 1½ feet between blades.



Figure 3.2.4-1: Individual Sediment Fan Unit

The devices operate during periods of tidal current (ebb and flood) and slowly rotate in a semicircle to direct the discharge jet in the direction of tidal current flow,

thereby, enhancing the velocity of the ebb and flood currents in the berth area. The run-time for each unit during a specific tide is typically 30 minutes, during which time the unit completes 90° of rotation. The units would operate four times per day, twice during flood tides and twice during ebb tides and are idol during slack tidal current. The effective sedimentation prevention distance covered by each unit is anticipated to be approximately 160 feet channel-ward from the breasting line of the berth.

3.3 Supporting Studies

This section provides a summary of the supporting studies performed in the preparation of the EATD.

Port of Wilmington Strategic Master Plan

The Diamond State Port Corporation produced a Strategic Master Plan for the Port of Wilmington in 2016. The Plan was based around two specific scenarios that were not mutually exclusive. The first included optimizing the existing Port facility while attempting to sustain and grow existing operations. The second involved the evaluation of other "off-port" properties on the Delaware River to capture additional market for the development of a new terminal. The Edgemoor location was identified in the Master Plan.

A copy of the Master Plan has been included as Appendix 2.

Dredged Materials Disposal Plan - Feasibility Evaluation

The disposal of the dredged materials from the construction represent a volume that is larger than typical maintenance dredging volumes in the region. The feasibility of the dredged material disposal was studied considering the anticipated staged dredging operations. The Applicant performed a survey or used available topographic information of the disposal areas and developed grading for three alternative dike configurations representing ongoing maintenance and construction at the Wilmington Harbor South site. The Reedy Point Complex dike configurations are adequate with nominal dike maintenance and infrastructure maintenance. The feasibly study evaluated the staging that would be required for the dredged material to be placed and dewatered in the Wilmington Harbor South disposal area.

The evaluation has been included as Appendix 6.

Phase 1 Environmental Site Assessment

A Phase 1 Environmental Site Assessment of the land side parcel of the project was performed by Duffield Associates as part of the Due Diligence phase of the site purchase and is summarized in an August 2016 report. The assessment was performed in general accordance with the practice outlined in ASTM International's "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessments Process"

(ASTM E1527-13). The ASTM E1527-13 practice is recognized under the United States, Environmental Protection Agency's (EPA) "Standards and Practices for All Appropriate Inquiries" (Code of Federal Regulations, Title 40, Part 312)

The assessment has been included as Appendix 8.

Wetland Delineation Report

A wetland delineation of the shoreline of the project site was performed by Duffield Associates as summarized in an October 23, 2019 report. The identification and delineation of wetlands was based upon the methods outlined in U.S. Army Corps of Engineers' Wetlands Delineation Manual as modified by the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region.

The delineation report has been included as Appendix 9.

Hydrodynamic Analysis Report

A hydrodynamic analysis of the channel modifications was performed by Mott MacDonald as summarized in a report dated October 2, 2019. The objective of the analysis was to evaluate potential impacts of the proposed harbor construction as a result of the dredging on hydrodynamics, salinity, sediment transport and erosion/deposition in the surrounding area. The analysis utilized 3D estuary-wide numerical modeling of hydrodynamics, sediment transport and morphology using the MIKE3 model. The hydrodynamic modeling simulations included ocean tides, discharges from multiple rivers and the Chesapeake and Delaware Canal, storm surge, local winds, and salinity.

The report has been included as Appendix 10.

Essential Fish Habitat (EFH) Evaluation Report

An assessment of potential essential fish habitat was prepared to characterize the benthic habitat and community including substrates, seagrasses, microbenthic organisms and water conditions in the affected environments. The report also compares the benthic community in the project area and adjacent areas and shallow and deep water habitats. The assessment compares the affected environment of the project area to areas where essential fish habitat designated species are known to occur in the Delaware Estuary and characterizes the ambient environmental conditions in the affected environment.

The report has been included as Appendix 11.

Appendix 12 has been reserved for documentation related to the official consultation with National Marine Fisheries and Fish and Wildlife.

Endangered Species Biological Assessment and Opinion

A biological assessment evaluating the potential effects of construction and operation of the project on endangered species has been prepared by Environmental Research and Consulting. A draft of this report has been included. The report will be revised upon completion of the Essential Fish Habitat Report.

The report has been included as Appendix 13.

Appendix 14 has been reserved for biological opinion.

U.S. Fish and Wildlife Service Certified Species List – Endangered Species Act and State of Delaware Environmental Review

Duffield Associates utilized the U.S. Fish and Wildlife Service Information for Planning and Consultation (IPaC) website, to perform a regulatory review and produce a species list, fulfilling the requirements of the USFWS under section 7(c) of the Endangered Species Act (ESA) of 1973, as amended. DNREC's Species Conservation and Research Program also conducted a review of the project site.

A copy of the USFWS letter has been included as Appendix 15 and DNREC's letter is included as Appendix 16.

Geotechnical Data Report

Harbor access channel test borings, site retainage and berth test borings and vibracores in the harbor access channel were conducted in 2016, 2018 and 2019 respectively. Five Standard Penetration Test (SPT) borings were performed within the proposed dredge area to provide an assessment of the environmental and geotechnical conditions in the Delaware River sediments and soils. Six SPT borings were performed to assess geotechnical conditions to support the evaluation of subaqueous slopes and 33 vibracore borings were performed to further evaluate the environmental and geotechnical conditions of subaqueous materials proposed to be dredged. In addition, Duffield collected composite sediment samples and soils samples that were subjected to index testing.

The report has been included as Appendix 17.

Geotechnical Slope Stability Report

The purpose of this evaluation was to analyze stability of the subaqueous slopes to be dredged as part of the proposed Berth and expanded Navigation Channel creation. It is proposed to widen the Delaware River Federal Navigation Channel (Federal Navigation Channel) to the proposed DSPC facility, located at the former Chemours (a.k.a. DuPont) Edgemoor Site. The maintained berth and approach channel elevation would be a maximum of -45 feet Mean Lower Low Water (MLLW) with a 3-foot initial over-dredge to match the

maintained depth of the Federal Navigation Channel. The subaqueous slopes are to support the deepening required to provide an approximate 500-foot to 800-foot widening of the existing Delaware River Federal Navigation Channel. The access channel slopes were analyzed assuming a proposed slope configuration with 6:1 (Horizontal: Vertical) slopes, while the wharf slopes were analyzed with a 3:1 slope configuration.

The report has been included as Appendix 18.

Economics Impact Study

This report estimates the economic impacts of the Port of Wilmington on the region and was conducted by Seabury Maritime PFRA in November, 2017. The study area includes the U.S. Census-defined Philadelphia-Wilmington-Camden Metropolitan Statistical Area (MSA) and separately the State of Delaware. The report concludes that the Port of Wilmington has experienced an average annual expansion of 5.4 percent since 2010, generated 5,717 total jobs and $363 million in payments to labor.

The report has been included as Appendix 19.

Sediment and Water Quality Assessment

Water samples were collected at the site and analyzed for comparison to State of Delaware Water Quality Standards and Delaware River Basin Commission Water Quality Standards. Sediment samples were collected from silt, sand and clay strata of the river bottom and analyzed for comparison with human health screening levels of Delaware's Hazardous Substances Cleanup Program.

The report is included as Appendix 20.

Geophysical/Cultural Resource Survey Supporting the Edgemoor Container Port Project

R. Christopher Goodwin & Associates Inc. (RCG&A) conducted an archaeological assessment of the proposed container port facility proposed at Edgemoor, Delaware, resulting in more than 130 acres being surveyed. The project was conducted pursuant to the national Historic Preservation Act, the National Environmental Policy Act, the Archaeological and Historic Preservation Act, and the Abandoned Shipwreck Act. Bathymetric data was also collected in the analysis which concluded that no targets indicative of submerged cultural resources were identified within the project's Area of Potential Effect (APE). The report was provided to the State Division of Historical and Cultural Affairs (DHCA).

The report has been included as Appendix 21. The review of the report was done by the Delaware DHCA in accordance with a Section 106 Consultation. The review letter has been enclosed as Appendix 22.

Full Mission Ship Simulation for Edgemoor Navigation Feasibility Study

The Maritime Institute of Technology and Graduate Studies (MITAGS) conducted a desktop and Full Mission Bridge Navigation Simulation Study to determine the navigation feasibility for a new terminal container port at Edgemoor. The purpose of the study was to evaluate the design of the terminal and turning basin and ensure that containerships are able to safely transit to the Edgemoor terminal on a regular basis with minimum impact to existing vessel traffic in the main channel of the Delaware River. The simulations were conducted under a variety of weather and tidal conditions and ship traffic scenarios. The evaluation resulted in Pilots identifying design considerations to deepen a portion of the berth approach to provide additional maneuvering space for inbound vessels. Modifications to the design were made to address the issue.

The report and correspondence from project stakeholders that participated in the simulation has been included as Appendix 23.

Air Conformity Analysis

The project requires the issuance of a federal permit under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act and therefore involves a federal action that is subject to a General Conformity determination under the Clean Air Act and State of Delaware regulations. An analysis of emissions from the project (dredging, wharf construction and dredged material management) was conducted and compared to the State's emissions budget for Criteria Air Pollutants. Results indicate that the project emissions are not anticipated to cause or contribute significantly to excursions from National Ambient Air Quality Standards (NAAQS); increase the frequency or severity of NAAQS excursions; or delay timely attainment of NAAQS, interim emission reductions, or other milestones.

A copy of this report has been included as Appendix 24.

4.0 PREFERRED ALTERNATIVE – AFFECTED ENVIRONMENT, ENVIRONMENTAL CONSEQUENCES AND MITIGATION

4.1 Physical Environment

This section provides a discussion of direct and indirect impacts the project will have on the non-living resources of the physical environment in the project area. General information and an analysis of direct and indirect impacts is provided for the action area, climate, geology, topography, soils, physical oceanography, and the water and sediment quality.

4.1.1 Description of Action Area Geography and Climate

The project site is located along the right descending side of the Delaware River, in northern New Castle County, Delaware. The property adjoining the project site is zoned industrial and is the former location of the Chemours Edge Moor Plant where titanium dioxide and ferric chloride previously were manufactured. Above grade vestiges of the former plant have been demolished.

Water-ward, the project site is bounded by the federal navigation channel in the Delaware River. The channel recently has been deepened to a maintained depth of 45 feet, based on mean lower low water datum (MLLW). The federal channel extends from Cape May and Cape Henlopen at the mouth of Delaware Bay identified as river mile 0 (RM 0) to Trenton, New Jersey. The project site is located at approximate river mile 73.2 (RM 73.2), at the intersection of the Bellevue and Cherry Island navigation reaches. The action area is considered to extend down-river from the project site at RM 73.2 to RM 0 at the mouth of Delaware Bay due to the vessels making calls at the proposed port transiting the bay and the river from locations in the Atlantic Ocean.

The main stem of the Delaware River spans approximately 330 miles flowing south from the State of New York to the Delaware Bay. The river is fed by approximately 216 tributaries and drains approximately 14,000 square miles of land (delawareestuary.org).

Landside within the action area, the project site is adjoined by the former Chemours Edge Moor Plant. The former Chemours Edge Moor Plant roughly is bounded on the inland side by Hay Road, Interstate Highway 495 (I-495), an industrial property owned by IKO Production, Inc., where asphaltic roofing shingles are manufactured, another industrial property owned by Diamond State Port Corporation where Holland Mulch recycles yard waste, and a small parcel owned by Suez Water Delaware, Inc. that contains a pumping station for potable water. Upriver, the project site is bounded by Fox Point State Park, a former landfill that was remedied by the State of Delaware through its Brownfield Program. Downriver, the project site is bounded by electricity generating facilities, identified as Hay Road 5-8 Power Complex in the New Castle County database and an industrial park.

Access to the former Chemours Edge Moor Plant is gained by Edgemoor Road (Delaware State Highway 3), an arterial road, and Hay Road, a local street. Hay Road extends from 12th Street in Wilmington to Edgemoor Road and serves the industrial developments along the Delaware River.

West of the former Chemours Edge Moor Plant, Edgemoor Road crosses: I-495; the Northeast Corridor Railroad, which serves Amtrak, SEPTA and Norfolk Southern passenger and freight trains; and Governor Printz Boulevard (U.S. Highway 13). There is an interchange between I-495 and Edgemoor Road. Vehicular traffic to and from the proposed port is expected to use that interchange. Properties located along Governor Printz Boulevard in the area of the site are developed for commercial purposes. Residential developments are present to the west of the commercial properties along Governor Printz Boulevard. The distance to the closest residential properties is approximately 0.41 miles as measured from the project site and approximately 0.26 miles from the intersection of Edgemoor and Hay Roads, based on estimates developed from aerial photographs.

The climate of the State of Delaware and the Delaware Estuary is considered a transition zone between humid subtropical climate conditions to the south and humid continental conditions to the north (DNREC climate). Delaware experiences lesser temperature extremes compared to nearby areas because of the moderating effects of nearby water bodies including the Atlantic Ocean, Delaware Bay, and Chesapeake Bay. The continental type climate typically brings Delaware cold winter temperatures, hot summer temperatures and a significant amount of precipitation throughout the year. Average temperatures in Delaware range from a low of 27 degrees Fahrenheit (°F) in January to a high of 87°F in July (usclimatedata). The average annual precipitation in Delaware is 46.1 inches of rainfall with 16 inches of that precipitation coming as snowfall without adjustment to water content (usclimatedata). However, precipitation amounts can vary appreciably year to year between approximately 30 and 60 inches.

Delaware can be affected by seasonally occurring severe weather. Winter and spring nor'easters can produce heavy snow and rain which can cause flooding in the coastal regions. Tropical storm systems occasionally pass through the project area, most commonly during the autumn months, and can bring high velocity winds, abundant precipitation, and coastal flooding. Severe thunderstorms sometimes occur in the spring and summer. The variability in precipitation influences the sediment and nutrient fluxes to the Delaware Estuary.

The Office of the Delaware State Climatologist published a report written by the State of Delaware Department of Natural Resources and Environmental Control (DNREC) titled, "Climate Change Analysis for Delaware and the Delaware Estuary." For this report, an analysis was conducted on the historical climate and related environmental data for Delaware and the Delaware Bay Estuary for the period of 1895 through 2011 to determine statistically significant trends in diverse climate variables for the region. The report concluded that temperatures across Delaware have been increasing at a rate of approximately 0.2°F per decade since 1895. The long-term trend in increasing temperatures is suggested to be caused by increasing minimum temperatures. Generally, cold days with temperatures below 20°F are

becoming fewer during the winter and the number of days with minimum temperatures above 75°F are becoming more frequent in recent decades. Trends in precipitation indicate a large annual and seasonal precipitation variability, with a statistically significant increasing trend in the amount of precipitation of 0.27 inches per decade occurring during autumn (DNREC climate).

4.1.1.1 Direct Impacts to the Physical Environment and Climate

The initial dredging and berth construction will produce greenhouse gases, most notably carbon dioxide from engine emissions, which contribute to the increase in global climate change. These emissions are temporary and will exist for the duration of construction, which is expected to last for approximately three years. These emissions are accounted and further considered in section 4.3.9.

Dredging will physically alter the hydrodynamics of the Delaware River at the construction site. The deeper water within the access channel and berth area is expected to result in slowing floodtide and ebbtide water velocities in the construction site. In turn, the slower velocities are expected to allow suspended sediment to settle in the berth and perhaps the access channel. The settling of sediment is addressed in section 4.1.6.

4.1.1.2 Indirect Impacts to the Physical Environment and Climate

With the implementation of the project, landside development of the new port can proceed. The indirect impacts of the marine construction on the adjacent landside property are not significant. The property previously was developed as an industrial facility and the proposed changes to that property to support port operations will not change ground surface cover, habitats and the like in a meaningful manner.

No adverse impacts to the action area climate are anticipated to result from implementation of the project as the project is replacing a former industrial use at the same location. Conversely, changing global climate conditions have potential to affect project site, primarily through sea level rise. This subject has been addressed in this section, section 4.1.1 and is further discussed in Section 4.1.5.

4.1.2 Topography and Bathymetry

The existing ground surface on the former Chemours Edge Moor Plant property generally slopes toward the Delaware River, from high points along Hay Road. The highest elevations range close to 25 feet, based on North American Vertical Datum of 1988 (NAVD88). The lowest elevations are close to sea level along the Delaware River, as illustrated on Sheet 4 of Appendix 7, Permit Drawings. Pavements and impermeable capping systems cover much of the former Chemours Edge Moor Plant property. The capping systems were installed over former waste lagoons as part of the State of Delaware Department of Natural Resources and Environmental Control (DNREC) approved closure plan under the auspices of the federal Resource Conservation and Recovery Act (RCRA).

The Delaware River shoreline at the project site generally is armored with mixes of retaining walls (bulkheads) and large stone (rip-rap). A wetlands assessment found no wetlands to be present within the project site (See Appendix 9). The river is tidal and at low tide there typically is exposed beach water-ward of the armoring systems.

Existing bathymetric conditions are also shown on Sheet 4 of the Permit Drawings included in Appendix 7. Bathymetric surveys indicate that a subtidal shelf extends water-ward from the low tide line to approximately 450 feet in the northern (upriver) portion of the site and approximately 550 feet in the southern portion of the site. This shelf is characterized by gradually deepening water (slopes between 1.8% and 2%) to a depth of approximately -10 feet MLLW. Between the edge of the edge and the federal navigation channel, the side slope of river bottom steepens, dropping approximately 35 feet across a horizontal distances of approximately 350 feet (10% slope) in the upriver portion of the site and 250 feet (14% slope) in the southern portion of the site.

4.1.2.1 Direct Impacts to Bathymetry and Sediments

Implementation of the project will alter local benthic conditions in the Delaware River. The project will deepen the river locally resulting in the removal of the existing shallow water shelf that extends along the descending right side of the Delaware River and the habitats associated with the shallow water shelf. This subject is addressed by the Assessment of Habitat and Benthic Resources and the Biological Assessment as it pertains to threatened or endangered species provided in Appendices 11 and 13. The findings of those assessments are summarized in Section 4.2.

The deepening of the river is expected to lower floodtide and ebbtide velocities within the berth and perhaps the access channel that will be created. The lower water velocities would be expected to promote settling of fine sediment similar in physical character to the existing surface soil within the dredged areas. (See Appendix 20)

4.1.2.2 Indirect Impacts to Bathymetry and Sediments

A potential indirect impact associated with implementation of the project is an increased demand of drying and storage facilities for sediments associated with maintenance dredging of sediments from the berth and access channel. The project is minimizing this potential indirect adverse impact through the installation of a system of shoaling prevention fans. The fans are intended to prevent the settling of sediments from the fluidized mud that will enter the berth and access channel as part of the tidal flow within the Delaware River. The fans will be installed at intervals along the face of the pile supported wharf structure. The fans will draw water from the mid-depth of the berth (approximately -29 feet MLLW) and discharge water parallel to the bottom of the berth at a depth of approximately -48 feet MLLW. Use of such fans in berths at other harbors in the United States has shown them to be successful at reducing maintenance dredging where high sedimentation rates are present, without transferring the burden of dredging to other locations. Prior studies of potential environmental impacts

associated with the operation of such fans has shown them to be minimal on flora and fauna, including ichthyoplankton. Further information regarding shoaling prevention fan systems is provided in Section 3.2.4 and in the Permit Drawings included in Appendix 7, specifically Sheet 11.

4.1.3 Geology

The upland property adjacent to the project site is located just south of the transition from the Piedmont to Atlantic Coastal Plain physiographic provinces. Delaware Geologic Survey (DGS) Geohydrology of the Wilmington Area, *Hydrogeology Map Series, No. 3, Sheet 1 - Basic Geology Coastal*, maps the upland areas of that property as Potomac Formation. More recent DGS online mapping (GeoMap 13 New Castle County) indicates a surficial presence of Delaware Bay Group sediments on the upland portions of the site.

The DuPont Company, the predecessor of the Chemours Company, investigated environmental conditions and achieved closure of the facility in accordance with RCRA, as administered by DNREC. Assessments performed as part of the RCRA Closure process included soil borings at locations illustrated in Figure 4.1.3-1. The soil borings are documented in a Phase I RCRA Facility Investigation (Phase I RFI) that was submitted to DNREC in April of 2009 and a Phase II RCRA Facility Investigation (Phase II RFI) that was submitted to DNREC in March of 2011. The Phase I and Phase II RFIs indicate that the former Chemours Edge Moor Plant is underlain by approximately 150 feet of undisturbed Potomac Formation soils. Fill material was encountered by soil borings beneath pavements and other surface coverings. The fill material has varying thickness and grain size depending on the location. Selected geologic sections through the uplands are provided as Figure 4.1.3-2 and Figure 4.1.3-3.



Figure 4.1.2.2-1 Soil Boring, Monitoring Well and Geologic Sections on Former Chemours

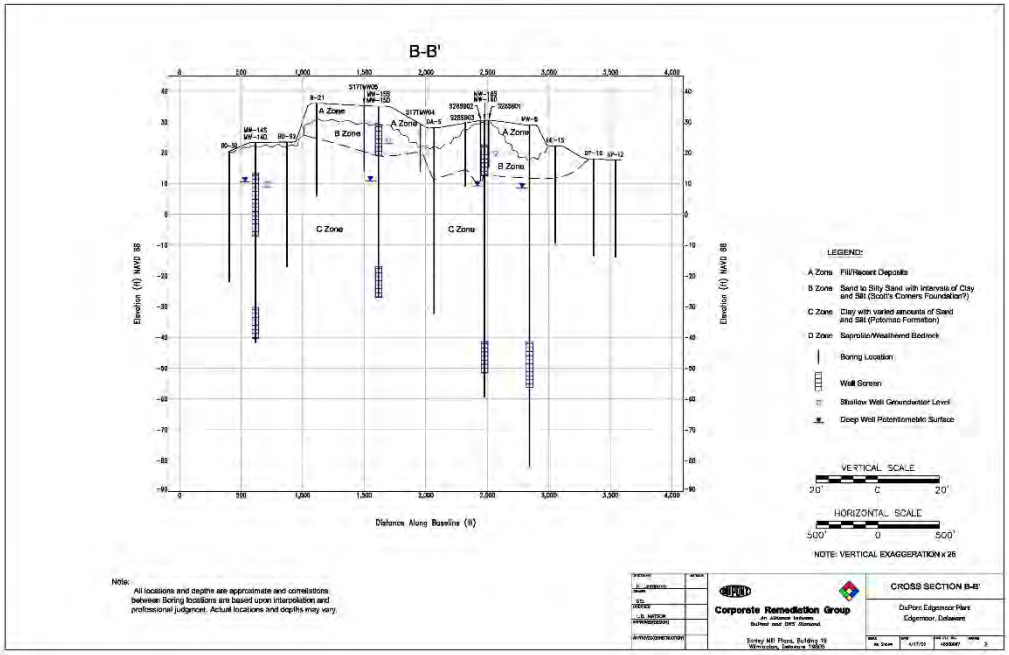


Figure 4.1.3-2 Geologic Section B-B

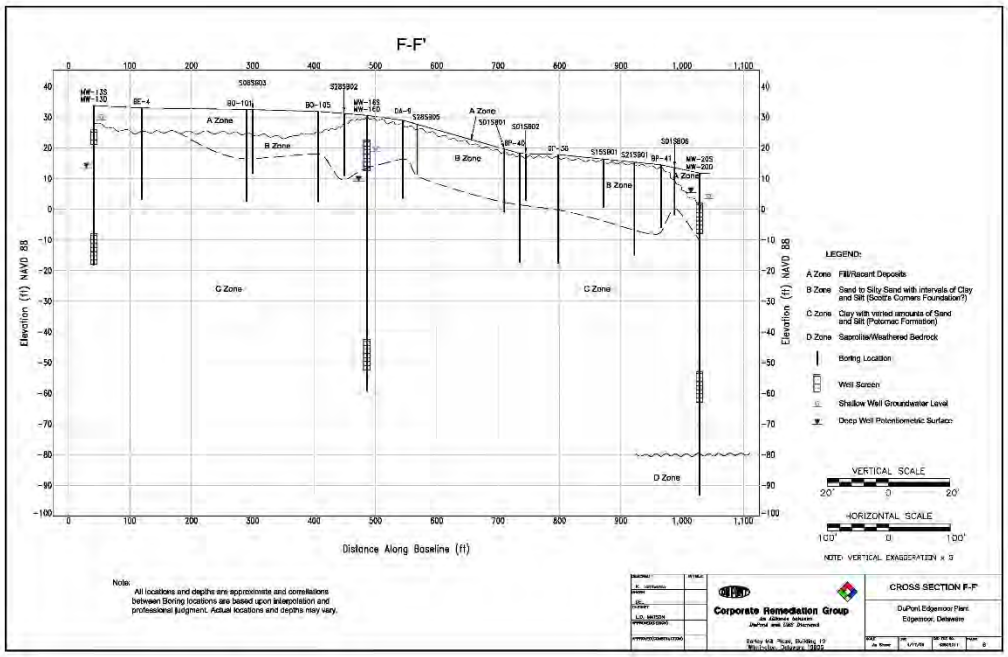


Figure 4.1.3-3 Geologic Section F-F

Standard Penetration Test (SPT) borings have been completed within the proposed dredge area to characterize riverbed geologic conditions. The boring logs from the two separate assessments, one performed in 2016 and one in 2018, can be found in Appendix 17, Geotechnical Data Report, and the test boring locations are illustrated in Sheets 12 and 13 of the Permit Drawings in Appendix 7. Both sets of borings point to Potomac Formation clays extending from the current shoreline through the proposed dredge area. Appendix F within Appendix 17 of this report provides stratigraphic profiles of the proposed area of dredging as well as Figure 3 in Appendix 20, Sediment Study, of this report. Based on the soil borings, the river bottom generally consists of very soft silt sediment deposits of thicknesses varying between approximately 4 feet at the location of TB-2 to approximately 11 feet at the location of TB-3, before thinning to 5 feet at the location of TB-4, close to the federal navigation channel. This silt commonly covers a layer primarily consisting of sandy sediments with some interlayered silt sediments. These apparently fluvial sediments were underlain by apparently undisturbed clays and clayey sand typical of the Potomac Formation to the depth of proposed dredging.

Test Borings TB-6 through TB-10 were performed to assess geotechnical conditions to the depth of apparent bedrock. TB-6 through TB-10 indicate the Potomac Formation clays extend to weathered rock. Weathered rock was encountered between approximately 60 feet and approximately 90 feet below MLLW.

4.1.3.1 Direct Impacts to Geology

No significant direct impacts to project site geology are expected to occur if the project is implemented.

4.1.3.2 Indirect Impacts to Geology

No significant indirect impacts to project site geology are expected to occur if the project is implemented.

4.1.4 Site Hydrogeology

Based on topographic conditions and known groundwater elevations, groundwater beneath the upland adjacent to the dredge site is anticipated to flow in an easterly direction towards the Delaware River. The Phase I and Phase II RFI reports have indicated that groundwater is located in isolated lenses within the general clayey matrix of the site soils. Geologic cross-sections Figure 4.1.3-2 and Figure 4.1.3-3 indicate that shallow groundwater is present but not connected. The inconsistent water levels in the wells supports that conclusion in the RFI reports.

As indicated by the Phase I RFI report, the Former Chemours Edge Moor Facility appears to have two permeable units separated by fine-grained material (predominantly red clay of the Cretaceous-age Potomac Formation). In portions of the site, there is little to no permeable zone above the clay. At monitoring well locations within the site, the first water bearing lenses are located as much as 75 to 85 feet below the ground surface. Fill material, designated as Zone A, is present under much of the Former Chemours Edge Moor Facility with varying thickness and grain size depending on the location (see Figure 4.1.3-1 through Figure 4.1.3-3 above).

Some portions of the site also contained natural sand (Zone B) interpreted as Scotts Corners Formation above the Potomac clay (Zone C). Zone A has permeability (K) values ranging from 4.5×10^{-8} centimeters per second (cm/sec) to 5.3×10^{-6} cm/sec per the RFIs. Zone B has a K value of 6.5×10^{-3} cm/sec at the location of MW-19S and K values of 8.6×10^{-8} cm/sec to 9.7×10^{-7} cm/sec at the locations of MW-15S and MW-18S per the RFIs. Zone C has K values range from 5.4×10^{-9} cm/sec to 2.6×10^{-7} cm/sec per the RFIs.

These values indicate that the Scotts Corners sand is the most permeable zone on the Former Chemours Edge Moor Facility. Where present, the Scotts Corners sand acts as the upper permeable zone, though shallow saturated conditions are laterally discontinuous and are likely perched and/or ephemeral per the RCRA assessments. A RCRA assessment report concluded that a clay unit is present near the surface that limits the extent of the shallow permeable unit. Therefore, groundwater in the shallow zone is not present at much of the site.

The Delaware River extends through the dredge site and is tidal. The normal tidal range at the site is approximately 5.6 feet, based on the tide gauge records for Marcus Hook, Pennsylvania, identified as National Oceanographic and Atmospheric Administration (NOAA) monitoring location 8540433.

Tidal influence on groundwater elevations within the uplands adjoining the dredge site was reported in the Phase I and Phase II RFI reports with an amplitude of 0.5 to 3 feet depending on the location within the site. Though most of the groundwater within the site is discontinuous, tidal influence, reportedly, is laterally consistent.

Delaware River flooding at the site primarily is controlled by tidal conditions and storm surges. Severe flooding at the site is not associated with precipitation within the Delaware River watershed. The site spans two Federal Emergency Management Agency (FEMA) map panels, panels 10003C0176K and 10003C0088L. These maps indicate that the site is subject to wave action during flooding events by the mapping abbreviation VE. The VE values indicated on the mapping reflect the elevation of the base flood plus the anticipated height of waves during a once in one hundred year flooding event, also known as the 100-year flood. The VE elevations at the site range from a low of 12 feet NAVD83 to 14 feet NAVD, with the higher values associated with longer wind fetches under modelled conditions anticipated to occur during a 100-year storm surge event. The modelled storm surge typically is based on a tropical cyclone (hurricane) or a nor'easter storm approaching Delaware Bay from the Atlantic Ocean.

4.1.4.1 Direct Impacts to Site Hydrogeology

No significant direct impacts to site hydrogeology are anticipated to result from implementation of the project. Local groundwater is expected to continue to flow to the Delaware River. Groundwater within the permeable zones of the Potomac Formation will continue to interact with tidal conditions in the Delaware River.

4.1.4.2 Indirect Impacts to Site Hydrogeology

No significant indirect impacts to site hydrogeological conditions are anticipated to result from implementation of the project.

4.1.5 Physical Oceanography

The Delaware River extends along the southeastern side of the project site and is influenced tidally. The normal tidal range at the site is approximately 5.6 feet, based on the tide gauge records for Marcus Hook, Pennsylvania identified as NOAA monitoring location 8540433. A mathematical model of the Delaware River Estuary was created to assess tides, currents, water levels and salinity. The model was developed from publically available physical information regarding the estuary including bathymetric sections created for the U.S. Army Corps of Engineers (USACE) and tidal records acquired by the NOAA. Model documentation and an assessment of conditions is provided in Appendix 10, Hydrodynamic Analysis.

Changes in local or relative sea level reflect the integrated changes in global or eustatic sea level. Eustatic sea level is defined as the distance from the center of the earth to the sea surface and can be influenced by changes in glaciation, ocean temperature, plate tectonics and other large scale changes in the volume of sea water and ocean basins.

Local tidal conditions are measured by tide gauges. The closest Delaware River tide gauge to Edgemoor, Delaware is located in Marcus Hook, Pennsylvania. The Marcus Hook, PA tidal gauge record length is shorter than 40 years. The manual on Sea Level Measurement and Interpretation (Intergovernmental Oceanographic Commission 1985, 2012) recommends that a tidal record should be of at least two-tidal epoch duration (about 40 years) before being used to estimate a local mean sea level (MSL) trend. Another Delaware River tide gauge is located at Reedy Point, downriver from the project site near the confluence of the Chesapeake and Delaware Canal with the Delaware River. The Reedy Point gauge has a record length of 51 years and was used to estimate the local MSL trend at Edgemoor, DE. In comparing the Marcus Hook and Reedy Points tidal gauges, there appears to be minimal discrepancies between the tidal trends.

Based on 51 years of tide gauge data recorded at Reedy Point, DE (NOAA), 2013), the historic rate of relative MSL rise is estimated at 0.0112 feet per year (ft./yr.). In accordance with Engineer Circular (EC) 1165-2-212, Sea Level Change Considerations for Civil Works Programs, the local subsidence rate may be estimated from tidal analysis by subtracting the rate of global mean seal level (GMSL) change from the historic rate of relative mean sea level (RMSL) change. Assuming the historic rate of GMSL change is equal to the globally averaged rate of 0.00561 ft./yr., the resulting estimated observed subsidence rate for the project area would be 0.00558 ft./yr. Using this estimated local subsidence rate for the project area, changes in relative MSL in the project area over the 50-year period of analysis would be:

- 0.83 feet using the historic rate of GMSL change,
- 1.31 feet using the intermediate rate of accelerated GMSL change, and

- 2.86 feet using the high or accelerated rate of GMSL change.

Figure 4.1.5-1 displays the computed sea level rise based on guidance from the USACE for the low (historic) rate, the intermediate (Modified NRC Curve I) rate, and the high (Modified NRC Curve III) rate. The computed sea level rise given here assumes a 50-year project life, and gives the predicted rise for the years 2016-2066.

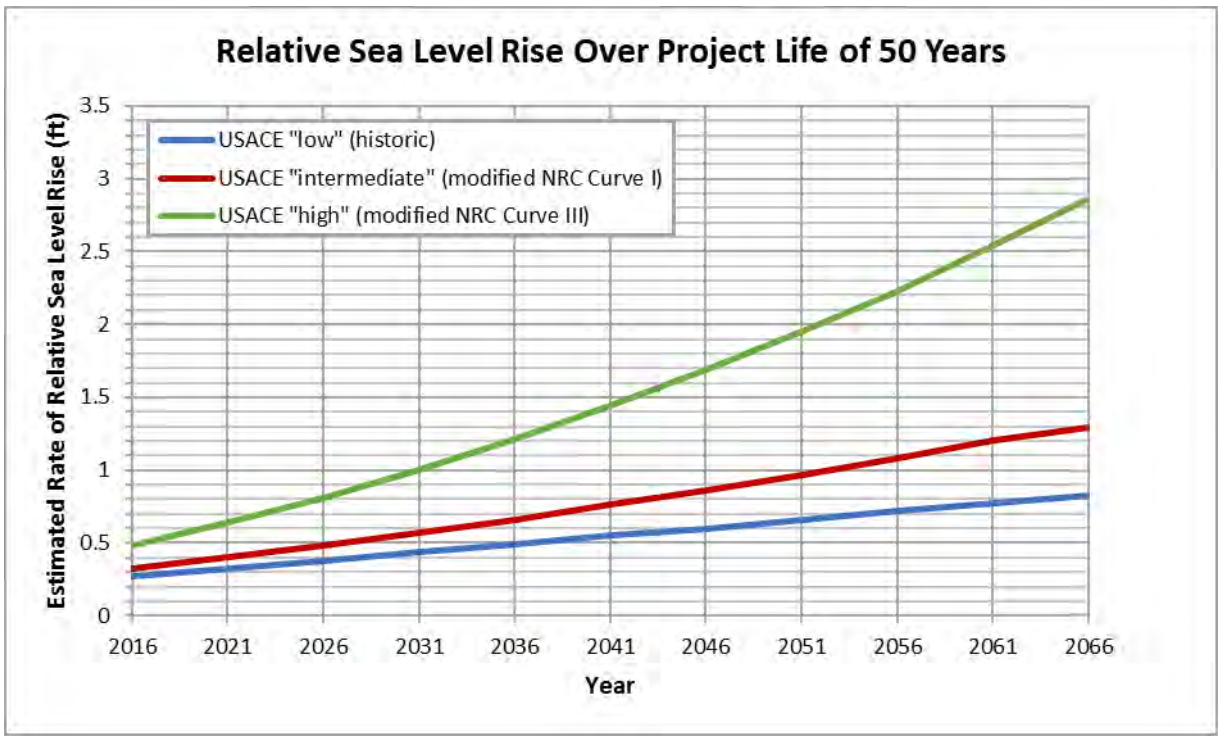


Figure 4.1.4.2-1 Relative Sea Level Rise over the 50 Year Project Life

Another source of information, DNREC and the University of Delaware, provide a low rise forecast of 1.6 feet (0.5 meters) and an extreme forecast of sea level may rise as 4.9 feet (1.5 meters) within 100 years (by 2117 instead of the 2066 date used by USACE). Given the differing time period, these DNREC / University of Delaware estimates are lower than the USACE predictions. The high USACE prediction was used for design of the wharf deck elevation.

For design, the deck elevation of the wharf has been based on the highest forecast 100-year flood plus VE elevation of 14 feet NAVD83 plus the largest USACE forecast of sea level rise for Delaware, approximately 3 feet, yielding a foreseeable flood height of 17 feet NAVD within the next 50-years. One foot of freeboard was included in the design to arrive at the design elevation of 18 feet NAVD as an additional hedge against uncertainty about future conditions.

4.1.5.1 Direct Impacts on Tides, Currents, Water Levels and Salinity

No significant direct impacts on tides (magnitude or duration), water levels or salinity are expected to ensue from dredging the proposed access channel and berth or construction of the proposed wharf. Ebb and flood tide currents are anticipated to be slower within the project site than those currently occurring. This change is forecast to be limited to the project site, with no appreciable change to locations outside of the limits of the project. Generally, the action area will be unaffected.

The project will not affect relative sea level rise. Conversely, forecast rises in sea level will affect the project. In response, the elevation of the wharf and adjacent land-side areas of the future port are being set to reduce threats associated with storm events and sea level rise.

4.1.5.2 Indirect Impacts on Tides, Currents, Water Levels and Salinity

No significant indirect impacts are anticipated on tides, water levels or salinity are expected to ensue from dredging the proposed access channel and berth or construction of the proposed wharf. The forecast change in currents has the potential to increase sedimentation within the project site, which would necessitate maintenance dredging and a corresponding increase in the demand for dredged material dewatering and storage. The use of shoaling prevention fans is being considered for the project to reduce the frequency of maintenance dredging and the volume of material that would be removed by maintenance dredging.

4.1.6 Sediment and Water Quality

4.1.6.1 Sediment Quality

Sediment samples recovered from standard penetration test borings and vibracore borings within the project site indicate that there are two generalized strata of sediments blanketing the in-situ river bottom. Soil and sediment boring locations are illustrated in Figure 2 within the Sediment and Surface Water Quality Assessment in Appendix 20. Selected geologic sections through the site are provided in Figures 3 and 4 within Appendix 20 as well.

The first stratum, Stratum A, consists primarily of fine grain fluvial silt. Stratum A generally is present in shallow water at a thickness of 0-4 feet and gradually increases to a thickness of 12-15 feet where water depths begin to slope more severely. The thickness of Stratum A material quickly thins to not being present near the federal navigation channel. On average, Stratum A is 9 to 12 feet thick. Figure 5 within the Sediment and Surface Water Quality Assessment in Appendix 20 provides an interpretation of the extent and thickness of Stratum A and assesses the environmental character of the sediments.

Stratum A sediments are believed to be formed locally through a sedimentation process. Sedimentation in the project area primarily is

associated with the deposition of fluidized mud that forms in response to the initial mixing of saltwater with freshwater. This mud tends to precipitate and flocculate metals formerly suspended or dissolved in freshwater. The fluidized mud is associated with the turbidity maximum of the Delaware River Estuary, which is where the project site is located. The head of the fluidized mud moves up-river into the Marcus Hook Reach of the federal navigation channel during incoming tides and down-river into the New Castle Reach during outgoing tides. Records generated by the University of Delaware (Cook et al., 2007) indicate total suspended solid concentrations in river water ranging from approximately 275 milligrams per liter (mg/L) near New Castle, Delaware to approximately 80 mg/L near Tinicum Island, Pennsylvania.

Based on the movement of fluidized mud in the turbidity maximum, Stratum A sediments are expected to continue to form in this portion of the river after the project is constructed. Continued deposition of Stratum A sediments in the proposed berth and access channel after construction is complete is anticipated to occur unless action is taken to minimize sediment settling.

The second stratum, Stratum B, consists primarily of fluvial sands, when present and is typically found below Stratum A. Stratum B is exposed in the intertidal and shallow subtidal areas of the site. Stratum B is thickest in the intertidal areas of the site at a thickness between 15 and 18 feet on average. Stratum B gradually thins to not being present near the federal navigation channel. Figure 6 within the Sediment and Surface Water Quality Assessment in Appendix 20 provides an interpretation of the extent and thickness of Stratum B and assesses the environmental character of the sediments.

Stratum B sediments are believed to have been transported to the site from upstream locations under higher energy (higher water velocity) conditions than are prevalent currently. As such, no significant deposition of Stratum B sediments is anticipated to occur within the project site following construction.

The environmental quality of the sediments and soils that will be dredged and placed into upland storage was assessed preliminarily during 2016 and in more detail during 2019. An assessment of the risk associated with sediment and water quality has been performed and is summarized in the Sediment and Surface Water Quality Assessment (Appendix 20). Figure 2 of the Sediment and Surface Water Quality Assessment shows the sediment sampling locations.

4.1.6.1.1 Direct Impacts of Dredging Sediment on Human Health and Aquatic Life

The human health impact of sediments and soils to be dredged has been evaluated in detail within Appendix 20. The risks posed to human health during dredging and human exposure to

dredge material placed in the CDF facility during dewatering and storage will be acceptable, based on reported substance concentrations and risk modeling calculations employed.

Based on the analytical results, Stratum A sediments have elevated concentrations of benzo[a]pyrene, PCB-126, total PCBs, dioxins and furans, arsenic, and thallium above human health screening levels developed by DNREC for use in the State of Delaware remedial programs authorized by the Hazardous Substance Cleanup Act (HSCA). Table 4.1.6.1-1 below shows the number of samples with concentrations of each of these substances that are elevated above the human health screening levels.

Table 4.1.6.1-1 Summary of Stratum A Analytical Result above Human Health Screening Levels

Analysis	Substance or Characteristic	DNREC SIRS Human Health Soils Screening Levels (Feb 2018)	
			count
TCL SVOCs	Benzo[a]pyrene	Above	12
PCB-126	-	Above	2
Total PCB	-	Above	3
Dioxins and Furans	TEQs	Above	19
TAL Inorganics	Arsenic	Above	16
	Thallium	Above	14

Generally, Stratum B sediment samples contained total PCBs, toxic equivalency quotients (TEQs), arsenic and thallium concentrations above human health screening levels (see Table 4.1.6.1-2 below).

Table 4.1.6.1-2 Summary of Stratum B Analytical Result above Human Health Screening Levels

Analysis	Substance or Characteristic	DNREC SIRS Human Health Soil Screening Levels (Feb 2018)	
			count
Total PCB	-	Above	1
Dioxins and Furans	TEQs	Above	1
TAL Inorganics	Arsenic	Above	5
	Thallium	Above	5

Stratum C samples were reported to contain iron at concentrations above the human health screening level. Since the material in Stratum C is beneath Strata A and B and is undisturbed by human activities, elevated concentrations of metals in Stratum C appear to be associated with the Potomac Formation, without influence from anthropogenic activities.

Stratum C material will be the new bottom of the area being dredged and will be replacing Stratum A material, which is the current bottom within much of the area to be dredged. Based on the substances of potential concern, the removal of Stratum A is expected to remove benzo(a)pyrene, PCBs, dioxins, furans, and dioxin-like PCBs, pesticides, arsenic, thallium, and cyanide as substances of potential concern to human health and aquatic life. Such substances are not of concern in Stratum C material. Therefore, Stratum C as the new bottom is expected to minimize the impact of sediment quality on aquatic life and human health, and is expected to be a net benefit to the environmental conditions at the project site.

Human health risk has been assessed during the dredging of material and sequestering of material at an upland CDF. Based on the US Environmental Protection Agency's (EPA's) Risk Assessment Information System (RAIS) Calculator, the substance concentrations in the sediment to be removed from the project site pose acceptable risk to human health, if they are dried and stored in a CDF. A summary of the risk assessment results for Strata A, B, and C can be found in Table 4.1.6.1-3. This risk assessment assumes that humans are in contact with the material at the same exposure level as an excavation worker or recreator.

Table 4.1.6.1-3 Summary of Human Health Risk Assessment Results

Scenario	Stratum A		Stratum B		Stratum C	
	Total Carcinogenic Risk	Total Hazard Index	Total Carcinogenic Risk	Total Hazard Index	Total Carcinogenic Risk	Total Hazard Index
Excavator	1E-07	0.004	4E-08	0.001	None	0.03
Recreator	1E-05	0.04	4E-06	0.02	None	0.3

The ecological impact of sediment quality on aquatic life was assessed in addition to the human health impact. Comparing Stratum A analytical results to ecological screening levels for sediments, 13 SVOCs, two pesticides, total PCBs, dioxin TEQs and 13 inorganic substances were detected at concentrations above screening levels (see Table 4.1.6.1-4 below).

Table 4.1.6.1-4 Summary of Stratum A Analytical Result above Ecological Screening Levels

Substance Group	Substance	DNREC SIRS Screening Level Ecological Sediment Fresh (Feb 2018)		DNREC SIRS Screening Levels Ecological Surface Soils (Feb 2018)	
			count		count
TCL SVOCs	2-Methylnaphthalene	Above	13	-	-
	Acenaphthene	Above	14	-	-
	Anthracene	Above	8	-	-
	Benzo[a]anthracene	Above	13	-	-
	Benzo[a]pyrene	Above	15	-	-
	Benzo[k]fluoranthene	Above	10	-	-
	Chrysene	Above	14	-	-
	Dibenz(a,h)anthracene	Above	13	-	-
	Fluoranthene	Above	8	-	-
	Fluorene	Above	2	-	-
	Indeno[1,2,3-cd]pyrene	Above	14	-	-
	Phenanthrene	Above	12	-	-
	Pyrene	Above	14	-	-
TCL Pesticides	4,4'-DDD	Above	2	-	-
	4,4'-DDE	Above	2	-	-
Total PCBs	-	Above	4	-	-
Dioxins and Furans	TEQs	Above	20	Above	20
TAL Inorganics	Arsenic	Above	16	Above	16
	Cadmium	Above	5	-	-
	Chromium	Above	21	Above	21
	Copper	Above	14	Above	4
	Iron	Above	15	-	-
	Lead	Above	14	Above	14
	Manganese	Above	16	-	-
	Nickel	Above	13	Above	8
	Selenium	-	-	Above	14
	Thallium	Above	7	Above	7
	Vanadium	-	-	Above	21
	Zinc	Above	14	Above	21
	Mercury	Above	16	Above	7

Stratum B analytical results were reported above the ecologic screening levels in 2-methylnaphthalene, total PCBs, TEQs, and 7 inorganic substances (see Table 4.1.6.1-5).

Table 4.1.6.1-5 Summary of Stratum B Analytical Result above Ecological Screening Levels for Sediments in Fresh Water

Substance Group	Substance	Ecological Screening Levels for Sediment in Fresh Water (Feb 2018)	
			count
TCL SVOCs	2-Methylnaphthalene	Above	1
Total PCBs	-	Above	2
Dioxins and Furans	TEQs	Above	12
TAL Inorganics	Arsenic	Above	5
	Chromium	Above	5
	Copper	Above	6
	Iron	Above	5
	Lead	Above	6
	Manganese	Above	2
	Zinc	Above	4

In Stratum C, chromium, iron, manganese, and selenium were the TAL inorganic substances found above the ecological sediment screening levels. Stratum C will become the new bottom once initial dredging is completed and take the place of Stratum A as the river bottom at the site. The removal of Stratum A is expected to remove benzo(a)pyrene, PCBs, dioxins, furans, and dioxin-like PCBs, pesticides, arsenic, thallium, and cyanide as substances of potential concern to human health and aquatic life. Such substances are not of concern in Stratum C material. Overall, the removal of the current river bottom sediments would be beneficial to the aquatic life due to the removal of potentially harmful organic substances and reductions in the concentration of inorganic substances.

In comparison to NOAA Screening Quick Reference Table (SQuiRT) levels used for assessing the risk of sediment to benthic organisms, Strata A, B, and C have concentrations of metals that may pose risk to benthic organisms. Since each of these strata will be removed from the project site, the project will also remove the associated risks to benthic organisms.

Terrestrial life could be exposed to dredged materials after placement into upland storage. Therefore, analytic testing results reported for Strata A, B, and C also were compared to

DNREC's ecological surface soil screening levels. Inorganic substances appear to be the compounds found above the surface soil screening levels (see Table 4.1.6.1-6).

Table 4.1.6.1-6 Summary of Analytical Results above Ecological Screening for Surface Soils

Substance Group	Substance	Stratum A	Stratum B	Stratum C
		Above Ecological Screening Levels for Surface Soils (Feb 2018)		
TAL Inorganics	Arsenic	16	5	0
	Chromium	21	20	5
	Cobalt	2	0	1
	Copper	4	3	0
	Lead	14	5	0
	Mercury	7	14	0
	Nickel	8	0	0
	Selenium	14	5	1
	Thallium	7	0	0
	Vanadium	21	20	5
	Zinc	21	20	1

Risk calculations indicate that reuse of Stratum B sediments would be acceptable from a risk perspective so long as the area of reuse would have an exposure level equivalent to an excavation worker, recreator, or composite worker. Reuse of the dredged materials would not be acceptable for a residential or unconstrained use. A summary of the human health risk assessment results can be found in Table 4.1.6.1-7.

Table 4.1.6.1-7 Summary of Material Reuse Human Health Risk Assessment Results

Scenario	Stratum A		Stratum B		Stratum C	
	Total Carcinogenic Risk	Total Hazard Index	Total Carcinogenic Risk	Total Hazard Index	Total Carcinogenic Risk	Total Hazard Index
Excavator	1E-07	0.004	4E-08	0.001	-	0.03
Recreator	1E-05	0.04	4E-06	0.02	-	0.3
Composite Worker	1E-05	0.02	4E-06	0.01	-	0.1
Outdoor Worker	1E-05	0.02	4E-06	0.005	-	0.1
Resident	**5E-05**	0.2	**2E-05**	0.1	-	**2**

In terms of geotechnical quality of material, Stratum B (sandy material) would be suitable for reuse while Stratum A and Stratum C sediments (silty and clayey materials) would not be suitable for most reuses. In order to utilize a USACE-owned CDF the applicant has two alternatives: (1) remove a volume of material equivalent to 1.5 times the volume the applicant

adds to the CDF, or (2) pay approximately $70 per cubic yard to USACE to offset the costs associated with creating new storage capacity at another location.

4.1.6.1.2 Indirect Impacts of Dredging Sediment on Human Health and Aquatic Life

One indirect impact anticipated by dredging sediments is the removal and reduction of PCBs and substances of concern in the river. Duffield estimated that approximately 2.7 tons of sediment with PCBs attached are expected to be removed from the river during the initial dredging of the site. The removal of material is expected to reduce the availability of substances of concern within the project site. Bio magnification of substances have been demonstrated to occur in the food chain. The removal of these substances from the River sediments within the project area should help to reduce the food chain impacts, which supports the Clean Water Act goal of edible fish. In turn, restrictions on recreational fishing by sediment and water quality will decrease.

4.1.6.2 Water Quality

Affects to Delaware River water quality at the project site and at the location where dredged material will be placed into upland storage to dry was assessed preliminarily during 2016 and in more detail during 2019. See the Sediment and Surface Water Quality Assessment in Appendix 20 for a detailed assessment of the risk associated with water quality.

4.1.6.2.1 Direct Impacts of Dredge Water Quality on Human Health and Aquatic Life

The impact of current surface water quality on human health was evaluated based on the most recent surface water sampling data collected in 2019. The substances of concern in the surface water are believed to be reflective of the current Delaware River water conditions. The testing results reported for the five surface water samples collected were compared to the Delaware River Basin Commission's Stream Quality Objectives (DRBC SQOs) per 14 CFR Part 410, Water Quality Regulations (last updated 2013). Where the DRBC Water Quality Regulations do not specify SQOs and/or procedural requirements, the Delaware Water Quality Criterion per 7 Del. Code §7401 Surface Water Quality Standards (DE SWQS) apply. In order to assess the impact of current surface water quality on human health, the SQOs for human ingestion of fish were used for comparison to the analytic testing results. Since the Delaware River is not designated as a Public Water Supply, fish and water ingestion criterion are not applicable. Benzo[a]pyrene, total

PCB, dioxin, furan, and dioxin-like PCB concentrations were reported above the fish ingestion SQO.

Duffield also evaluated the analytical results for current river water samples in comparison to acute and chronic SQOs for aquatic life to identify potential ecologic concerns. The reported aluminum and copper concentrations were elevated with respect to the criteria for acute exposure. Total PCBs, aluminum, copper, iron, and lead concentrations were reported above the criteria for chronic exposure. PCB-126 concentrations were above the DE SWQS for fresh water aquatic life.

During dredging, concentrations of substances dissolved into the water column from the sediment are expected to remain below acute DRBC SQOs for aquatic life in a freshwater environment. Stratum A sediments are expected to generate 4,4'-DDE, total PCBs, and copper concentrations during dredging that are above chronic DRBC SQOs. Stratum B sediments are expected to generate 4,4'-DDE concentrations in water during dredging that are above chronic DRBC SQOs. Dredging of Stratum C sediments is not expected to generate concentrations of substances above the chronic DRBC SQOs. Based on this evaluation, aquatic life is not expected to be impacted by acute exposures, which occur over a 1-hour time period. This comparison to SQOs suggests that substance concentrations have potential to impact aquatic life through chronic exposures, which occur over a 4-day time period. However, the removal and sequestration of sediments containing the substances of concern ultimately will provide a net reduction in concentrations of substances in the sediments in the Delaware River. See the Sediment and Surface Water Quality Assessment in Appendix 20 for further details.

DRBC human health quality objectives for carcinogens and systemic toxicants absorbed through fish ingestion in freshwater environments were compared to the concentration of substances transferred from sediment to water during dredging. Current recreational uses of the project site are limited, and the water quality of this portion of the Delaware River does not support fish and water ingestion. Substances in Stratum A sediment that may be transferred to the water column at concentrations above the DRBC human health carcinogen SQOs for fish ingestion include 4,4'-DDD, 4,4'-DDE, dioxins, furans, dioxin-like PCBs, total PCBs, and benzo(a)pyrene. Stratum B sediment substances that may transfer concentrations to the water column above the DRBC carcinogen SQOs for fish ingestion include 4,4'-DDD, 4,4'-DDE, heptachlor, dioxins, furans, dioxin-like PCBs, and total PCBs. Stratum C sediments may transfer total

PCBs to the water column at concentrations above the DRBC carcinogen SQOs for fish ingestion. Other substances concentrations in Stratum C materials were not indicated to be problematic. As stated in the sediment quality section above, Section 4.1.6.1.1, Stratum C will be replacing Stratum A as the river bottom at the site. Since the quality of Stratum C material has been indicated to have less potential to be impactful than Stratum A to human health, the initial dredging activity is expected to bring this portion of the Delaware River closer to the Clean Water Act goal of supporting a recreational fishery.

According to recent real estate approvals issued for use of the USACE CDF, the following two limitations are required to be placed on the effluent from a CDF along the Delaware River: (1) an instantaneous effluent TSS concentration of 4,000 mg/L, and (2) an average TSS concentration of 3,000 mg/L over the period of the project. Therefore, dredge effluent from the project, placed in an upland CDF is expected to implement these TSS limits.

At the discharge into a CDF, the influent slurry is expected to have concentrations of the following substances above the DRBC SQOs for acute and chronic exposure to aquatic life and for human health carcinogens and systemic toxicants through fish ingestion (see Table 4.1.6.2-1).

Table 4.1.6.2-1 Substance Concentrations above DRBC SQOs in CDF Influent

DRBC SQOs Acute	DRBC SQOs Chronic	DRBC SQOs Carcinogens - Fish Ingestion Only	DRBC SQOs Systemic Toxicant - Fish Ingestion Only
µg/L	µg/L	µg/L	µg/L
Dredge Cycle 1			
4,4'-DDE	4,4'-DDD	4,4'-DDD	4,4'-DDD
Total PCBs	4,4'-DDE	4,4'-DDE	4,4'-DDE
Aluminum	4,4'-DDT	4,4'-DDT	4,4'-DDT
Copper	Heptachlor	Heptachlor	Heptachlor
	Total PCBs	Total PCBs	Total PCBs
	Aluminum		Cadmium
	Cadmium		
	Copper		
Dredge Cycle 2			
Aluminum	Total PCBs	Total PCBs	Total PCBs
Copper	Aluminum		Copper
	Copper		
Dredge Cycle 3			
Aluminum	Total PCBs	Total PCBs	Total PCBs
Copper	Aluminum		Copper
	Copper		

CDFs are designed and operated to reduce the suspended sediment concentration in the dredge slurry between the influent and the effluent. The effluent from a CDF is expected to meet the average TSS criteria of 3,000 mg/l and the instantaneous concentration of 4,000 mg/l. The concentration of each substance in the effluent from a CDF at an average TSS of 3,000 mg/L was calculated. Based on the calculations performed, the following substances may exceed the DRBC SQOs for acute and chronic exposure to aquatic life and for human health carcinogens and systemic toxicants through fish ingestion (see Table 4.1.6.2-2).

Table 4.1.6.2-2 Substance Concentrations above DRBC SQOs in CDF Effluent

DRBC SQOs Acute	DRBC SQOs Chronic	DRBC SQOs Carcinogens - Fish Ingestion Only	DRBC SQOs Systemic Toxicants - Fish Ingestion Only
µg/L	µg/L	µg/L	µg/L
Dredge Cycle 1			
Aluminum	Aluminum	Aluminum	Aluminum
		Total PCBs	
Dredge Cycle 2			
Aluminum	Aluminum	Aluminum	Aluminum
		Total PCBs	
Dredge Cycle 3			
Aluminum	Aluminum	Aluminum	Aluminum
		Total PCBs	

The concentration of each substance in the effluent from a CDF at an instantaneous time was calculated using a TSS limit of 4,000 mg/L. The same substances are expected to have concentrations above the DRBC SQOs as listed above for the average TSS limit.

It is important to this discussion to note that total PCB and aluminum concentrations in the ambient Delaware River water currently exceed the DRBC SQOs. Treatment of the dredge slurry in a CDF is anticipated to reduce the concentrations of aluminum and total PCBs by approximately 99.4% and 99.9%, respectively. Current aluminum concentrations in the river are above the DRBC SQO for acute aquatic life exposure by approximately 18%, while CDF effluent is expected to raise aluminum concentrations by 0.8 – 1% within an allowable mixing zone under worse case conditions of no flow (slack tidal currents) in the river. Current total PCB concentrations in the river are 340 times greater than the DRBC SQO for human carcinogens. The CDF effluent is expected to raise the concentration of total PCBs by approximately 16% within the mixing zone. Relative to the elevated concentrations currently in the river, the final concentration in the river mixing zone after the addition of the CDF effluent is considered a minimal impact to the river.

Conversely, the removal of sediment from the project site is expected to aid bringing water quality of the River closer to the long term goal of supporting recreational fishing by removing large quantities of substances of concern from the ecosystem. Fewer substances of potential concern to the environment and

aquatic life will be present in the aquatic environment after dredging. The more limited presence of substances of potential concern, specifically chlorinated organic compounds such as PCBs, dioxins, and furans, will also reduce potential bio magnification of such substances in the aquatic food chain. For instance, the project is expected to remove approximately 2.7 tons of sediment containing PCBs from the local aquatic environment during the initial dredging. Calculations and further explanation in relation to this section can be found in Appendix 20, Sediment and Surface Water Quality Assessment.

4.1.6.2.2 Indirect Impacts of Dredge Water Quality on Human Health and Aquatic Life

Vessel hull paints, fuels, lubricants, and operations have potential to impact water quality in the Delaware River. This impact may increase due to the project because of increased ship traffic. Mariners are expected to operate ships in compliance with laws and regulations that are intended to minimize the potential for water quality impacts. Assuming that vessel operators comply with existing laws and regulations, water quality impacts due to ship traffic, ship operations, and exterior paint and oils associated with the ship are expected to be minimal and *de minimis*.

4.2 Biological Resources

4.2.1 Impacts on Biological Resources

This section provides a discussion of impacts the project may have on identified biological resources. General information and an analysis of direct and indirect impacts, when appropriate, is provided for the following topics:

- Threatened and endangered species;
- Critical habitat;
- Essential fish habitat;
- Species of special concern;
- Vegetation;
- Wildlife; and
- Invasive species.

The specific "action area" varies for each of the above identified biological resources, but can generally be defined as including one or more of the following affected environments:

4.2.1.1 Dredging Area

The Dredging Area is an approximately 85 acres (including side slopes) of estuarine subtidal and intertidal habitat with existing water depths ranging from 0 to 45 feet mean lower low water (MLLW). Bottom substrate generally consists of fine-grained sediments in subtidal locations. Intertidal bottom typically consists of sandy materials. There are no submerged aquatic vegetation (SAV) or vegetated wetlands within the dredging area. Dredging will facilitate the establishment of the berth and approach channel.

4.2.1.2 Construction Area

The Construction Area is a nearshore waterfront area where the approximately 2,600 linear-foot wharf is to be constructed. The aquatic habitat is estuarine subtidal and intertidal with existing water depths ranging from 0 to 5 feet while bottom substrate consists primarily of sand and gravel with some rubble. The area experiences high energy from wind, tide and shipping traffic. No wetlands or SAV were identified within this area.

4.2.1.3 Uplands

The Uplands are an approximately 112-acre property adjoining the project site. The property is zoned industrial and is the former location of the Chemours (DuPont) Edge Moor Plant. Above grade vestiges of the former plant have been demolished. The entire property is enclosed by security fencing and has received Resource Conservation and Recovery Act (RCRA) closure. Closure requires keeping impermeable caps over former sludge lagoons and covers over the other former solid waste management units (SWMUs) on the property. Currently, the covering materials typically are existing pavements and crushed stone.

Due to vessels making calls at the proposed port and transiting the bay and the river from locations in the Atlantic Ocean, the following affected environments include areas extending downriver of the project site, from RM 73.2 to RM 0:

4.2.1.4 Delaware River federal navigation channel (RM 0 to RM 73.2)

Located adjacent to and downriver of the project site and maintained at a controlling depth of 45 feet MLLW. Substrate within the channel varies widely from silty clay to gravel while salinity within the channel ranges from tidal freshwater/oligohaline in the upper reaches to saltwater near the mouth of the Delaware Bay.

4.2.1.5 Lower Delaware Estuary

Entire waterbody between the project site (RM 73.2) and the mouth of the Delaware Bay (RM 0). Width of the estuary ranges between approximately 1.5 miles at the project site, 10 miles at the mouth of the bay to 26 miles at

the widest point within the bay. Salinities range from those typical of marine water at the mouth to brackish oligohaline water at the head of the bay (just below Artificial Island). Project site is located in a transition zone between the head of the bay and the riverine portion of the estuary, a location characterized by low salinity and high turbidity.

4.2.2 Physical Environment

The main stem of the Delaware River extends approximately 330 miles flowing south from the State of New York to the Delaware Bay. The river is fed by approximately 216 tributaries and drains approximately 14,000 square miles of land (delawareestuary.org). The project site is located at RM 73.2, where the Bellevue and Cherry Island navigation reaches intersect, within a transition zone generally characterized as a low salinity, high turbidity region. The transition zone lies between the bay and riverine regions of the Delaware estuary. At the project site, water depths range between the height of tide and 45 feet below MLLW, while the width of the estuary at the site is approximately 1.5 miles.

The property adjoining the project site is zoned industrial and is the former location of the Chemours Edge Moor Plant where titanium dioxide and ferric chloride previously were manufactured. Above grade vestiges of the former plant have been demolished. The entire property is enclosed by security fencing.

Water-ward, the project site is bounded by the federal navigation channel in the Delaware River. The channel recently has been deepened to a maintained depth of 45 feet MLLW. The federal channel extends from Cape May and Cape Henlopen at the mouth of Delaware Bay (RM 0) to Trenton, New Jersey.

4.2.3 Threatened and Endangered Species

The following sections include a discussion regarding threatened and endangered species under federal and/or State of Delaware jurisdiction as well as potential project-related impacts to those identified species. The action area for threatened and endangered species includes the following affected environments:

- Dredging area;
- Construction area; and
- Delaware River federal navigation channel.

4.2.3.1 National Marine Fisheries Service (NMFS)

A Biological Assessment (BA) was prepared to evaluate potential effects of construction and operation of the proposed Edgemoor container port on the following species, identified in Table 4.2.3.1-1, protected by the Endangered Species Act (ESA):

Table 4.2.3.1-1 Summary of listed species that are known to occur in the dredging and construction areas as well as the Delaware River federal navigation channel

Common Name	Scientific Name	Federal Conservation Status
Shortnose sturgeon	Acipenser brevirostrum	Endangered
Atlantic sturgeon	Acipenser oxyrinchus	Endangered (New York Bight DPS)
Kemp's ridley sea turtle	Lepidochelys kempi	Endangered
Leatherback sea turtle	Dermochelys coriacea	Endangered
Loggerhead sea turtle	Caretta caretta	Threatened (Northwest Atlantic Ocean DPS)
Green sea turtle	Chelonia mydas	Threatened (North Atlantic DPS)
Right whale	Eubalaena glacialis	Endangered
Fin whale	Balaenoptera physalus	Endangered

DPS = Distinct Population Segment

For the purposes of the BA, shortnose sturgeon and Atlantic sturgeon were considered species of primary concern because they are known to occur within the immediate vicinity of the project. Sea turtles and whales were considered species of secondary concern because they do not occur in the immediate vicinity of the project, but may occur within the larger action area (i.e., the federal navigation channel of the Delaware River and Bay downriver of the project).

The BA assessed potential impacts from the following project-related activities:

- Dredging – Entrainment;
- Dredging – Effects on movement/migration;
- Dredging – Effects on water quality;
- Dredging – Effects on prey communities;
- Dredged material disposal;
- Pile driving;
- Placement of fill;
- Shoaling Prevention Fans;
- Vessel traffic from construction; and
- Vessel traffic from port operations.

With the exception of vessel traffic from port operations, the BA indicated that project-related activities will have no effect or an insignificant effect on ESA-listed species. Increased vessel traffic, specifically the addition of 261 vessels

per year (87 container ships and 174 tugs operated in support of the container ships) within the Delaware River federal navigation channel as a result of port operations may adversely affect but will not jeopardize the continued existence of Atlantic sturgeon. Specifically, operation of the proposed Edgemoor container port may result in one additional Atlantic sturgeon mortality every 5.5 years. The potential effect of increased vessel traffic on shortnose sturgeon was considered discountable with one additional mortality every 85 years.

The use of shoaling prevention fans (anti-sedimentation devices) along the proposed wharf is being considered for the project. Shoaling prevention fans do not increase turbidity, but allow sediment to stay suspended within the water column rather than settling on the river bottom. The use of shoaling prevention fans is not anticipated to impact listed species since they can move away from the fans. Further, the use of shoaling prevention fans is also intended to reduce the frequency of maintenance dredging (currently anticipated to occur annually).

A summary of the potential effects of project-related activities are summarized in Table 4.2.3.1-2 below:

Table 4.2.3.1-2 Summary of potential effects of project-related activities

Common Name	Atlantic Sturgeon	Shortnose Sturgeon	Sea Turtles	Whales
Federal Status	Varies with DPS	Endangered	Varies by Species	Endangered
Dredging – Entrainment	Insignificant	Insignificant	No effect	No effect
Dredging – Effects on movement/migration	Insignificant	Insignificant	No effect	No effect
Dredging – Effects on Water Quality	Insignificant	Insignificant	No effect	No effect
Dredging – Effects on Prey Communities	Insignificant	Insignificant	No effect	No effect
Dredged Material Disposal	Insignificant	Insignificant	No effect	No effect
Operation of Shoaling Fans	Insignificant	Insignificant	No effect	No effect
Pile Driving	Insignificant	Insignificant	No effect	No effect
Placement of Fill	Insignificant	Insignificant	No effect	No effect
Vessel Traffic from Construction	Insignificant	Insignificant	No effect	No effect
Vessel Traffic from Operations	May adversely affect, but not jeopardize the continued existence	Discountable	Insignificant	Insignificant
Effects of Upland Activities	Insignificant	Insignificant	No effect	No effect

A copy of the BA has been submitted to the NMFS for review and issuance of a Biological Opinion. The BA is included as Appendix 13.

4.2.3.2 US Fish and Wildlife Service (USFWS) and State of Delaware

Based on an online USFWS Information for Planning and Consultation (IPaC) environmental review process, one listed species, the Northern Long-eared Bat, was identified as being potentially present on the uplands adjacent to the project site. However, an environmental review by the DNREC's Species Conservation and Research Program (SCRP) indicated that no state-rare or federally listed species under the jurisdiction of the State Natural Heritage program exist at the project site. The database utilized by the DNREC-SCRP is comprehensive and site-specific unlike the IPaC review which utilizes a generalized, five-mile radius search around the project site.

As such, the project site does not lie within a State Natural Heritage site nor does it lie within a Delaware National Estuarine Research Reserve. In addition, the Delaware Division of Fish and Wildlife requested that no in-water work occur from March 15th through June 30th to minimize potential impacts to Atlantic sturgeon and shortnose sturgeon (both currently listed as endangered) and other commercially and recreationally valuable species during their spawning periods. No additional species were identified that differed from those identified under NMFS' jurisdiction. A certification letter provided by the USFWS is included in Appendix 15 and a copy of the DNREC-SCRP's environmental review response letter, dated October 16, 2019, is included in Appendix 16.

4.2.4 Critical Habitat

The entire tidal Delaware River estuary, which includes the project site, has been designated critical habitat for the New York Bight DPS of Atlantic sturgeon. The critical habitat rule identified four "habitat units" (i.e., physical and/or biological factors (PBFs)) that are essential to the conservation of the species. Generally, the PBFs are as follows:

- PBF 1 – Hard bottom substrate (e.g., rock, cobble, gravel, limestone, boulder, etc.) in low salinity waters defined as 0.0 to 0.5 parts per thousand (ppt) generally encountered upriver of river mile 67 for settlement of fertilized eggs, refuge, growth, and development of early life stages;
- PBF 2 – Aquatic habitat with a gradual downstream salinity gradient from 0.5 ppt up to 30 ppt and soft substrate (e.g., sand, mud) between the river mouth and spawning sites for juvenile foraging and physiological development;
- PBF 3 – Water of appropriate depth and absent physical barriers to passage (e.g., locks, dams, thermal plumes, turbidity, sound, reservoirs, gear, etc.) between the river mouth and spawning sites; and

- PBF 4 – Water, between the river mouth and spawning sites, especially in the bottom meter of the water column, with the temperature, salinity, and oxygen values that, combined, support spawning, annual and inter-annual life stage survival as well as growth, development, and recruitment.

The proposed project will not impact PBF 1 as there is no habitat meeting the criteria of PBF 1 in the dredge area, construction area or the federal navigation channel for settlement of fertilized eggs, refuge, growth, and development of early life stages. The nearest hard bottom substrate that may be used by Atlantic sturgeon for spawning is located four miles upriver of the site.

The project site contains some of the elements of PBF 2 (soft substrate for juvenile foraging and may seasonally have salinities within the specified range). While dredging will disturb the soft substrate and impact benthic organisms, the impacts will be temporary and *de minimis*. Further, the benthic organisms identified within the dredge area or construction area are common, widely distributed and can readily be found in adjacent areas of the river.

Construction and operation of the proposed Edgemoor container port will not impede the movement of various sturgeon life stages or the staging, resting or holding of subadults or spawning adults. PBF 3 habitat will not be impacted as a result of the project.

Significant impact to PBF 4 habitat, specifically temperature and salinity, is not anticipated. Suspension of sediment during dredging may result in a temporary reduction in dissolved oxygen concentrations although this condition will be minimal and localized. Modeling has indicated that salinity will not change as a result of the project. Like salinity, water within the estuary is well mixed due to tidal currents resulting in relatively uniform temperatures at specific locations. The proposed deepening of the river bank to create the access channel and berth is not anticipated to alter water temperatures in a meaningful manner.

Hydrodynamic and sediment analysis, intended to evaluate potential impacts of the project on hydrodynamics (including salinity), sediment transport and erosion/deposition in the surrounding areas, was performed for the project. The analysis indicated that hydrodynamics are only impacted within one berth length or less of the terminal and impacts are negligible outside the immediate vicinity of the terminal. In addition, salinity, sediment transport and morphology are also unaffected outside the terminal area. Please refer to the Hydrodynamic Analysis report included in Appendix 10 for additional details.

4.2.5 Essential Fish Habitat

Essential Fish Habitat (EFH) was defined by the U.S. Congress in the 1996 amendments to the Magnuson-Stevens Fishery Conservation and Management Act, or Magnuson-Stevens Act, as "those waters and substrate necessary to fish for spawning, breeding, feeding or growth to maturity." Regulations clarified that waters include all aquatic areas and their physical, chemical, and biological properties;

substrate includes the associated biological communities that make these areas suitable for fish habitats, and the description and identification of EFH should include habitats used at any time during the species' life cycle. EFH includes all types of aquatic habitat, such as wetlands, coral reefs, sand, seagrasses, and rivers.

In an effort to assess the potential presence of EFH or habitat of value within the dredging and construction areas and, if present, the possible impacts that port construction and port operation may have on EFH, an assessment consisting of the following two components was performed:

- Benthic resources assessment including beach seining, benthos sampling and a search for submerged aquatic vegetation (SAV); and
- Literature search of relevant fish population/stock assessment data that has been performed within the dredging and construction areas and nearby estuary area.

The purpose of the assessment was to:

1. Characterize the benthic habitat and community including substrate, seagrasses, microbenthic organisms, and ambient water conditions within the dredging and construction areas;

2. Compare similarities and differences in the benthic community between the dredging and construction areas and adjacent areas as well as between shallow and deep water depths;

3. Compare benthic habitat and community in the dredging and construction areas to areas where EFH-designated/fisheries species/Federally-managed species and prey species are known to occur in the Delaware River estuary; and

4. Characterize environmental water quality by measuring parameters such as dissolved oxygen, temperature, salinity and water clarity within the dredging and construction areas.

4.2.5.1 Benthic Resource Assessment

Affected environments associated with benthic resources include the dredging and construction areas. The benthic resource assessment consisted of the collection of benthos samples at 17 locations covering three depth strata, three beach seine samples and three trawl hauls within the mid-depth (16 - 20 feet) strata. In addition, a search for SAV occurred in the same 17 locations as the benthos sampling.

The results of the benthic resource assessment within the affected environments indicated the following:

- No habitat of value or SAV was identified within the dredging or construction areas;

- Benthic organisms identified within the affected environments do not represent a diverse assemblage, are primarily pollution tolerant species and are readily available within adjacent areas of the river; and
- Three fish species, with low individual counts, were collected during the beach seining effort. Of 50 total fish caught, 34 were bay anchovy.
- Of the 478 total fish identified in the three trawl hauls, Atlantic croaker was the most abundant with 220 fish (46%), while white perch, bay anchovy and sand shrimp followed at 20%, 17% and 7%, respectively. A total of six striped bass were identified (1.3% of total); and
- No difference between shallow (defined as less than three feet in depth) and deep water with respect to benthic resources was identified.

4.2.5.2 Literature Review

In support of the benthic resource assessment to evaluate potential EFH, a review of available and published literature was performed to compile fish population/abundance data that was or is currently being collected in areas that overlap the project site boundaries and/or in areas adjacent to/in the vicinity of the project site.

Several surveys used by the Atlantic State Marine Fisheries Council (ASMFC) to understand fish population trends within an area, including the project site are:

- Delaware River Seine Survey (1980 – present) conducted by the New Jersey Department of Environmental Protection (NJDEP);
- Delaware Finfish Trawl Survey (1966/1980 – present) facilitated by DNREC;
- Delaware River Striped Bass Spawning Stock Assessment (1991 – present) conducted by DNREC;
- Fisheries and Biological Sampling for the PSEG Power Plant (1995 – present) conducted by PSEG

Fish population surveys used by ASFMC that have been conducted in areas adjacent to the project site include:

- Crown Landing LNG (2005 – 2006);
- Benthic Sampling (2008- 2010) – Partnership for the Delaware Estuary; and
- National Coastal Assessment (2000 – 2006) – US Environmental Protection Agency (USEPA).

The surveys identified above provide stock assessment data and status indicators that are used to monitor population trends for a wide variety of finfish and shellfish species in the Delaware estuary. In addition, the surveys serve as platforms for collecting specimens for genetics research, contaminant studies, tagging studies,

water quality studies as well as age and growth investigations. Many of the surveys have been conducted annually for many years, allowing researchers to not only be aware of population fluctuations but also predict future fishery management needs.

Hydrodynamic and sediment analysis, intended to evaluate potential impacts of the project on hydrodynamics (including salinity), sediment transport and erosion/deposition in the surrounding areas, was performed for the project. The analysis indicated that hydrodynamics are only impacted within one berth length or less of the terminal and impacts are negligible outside the immediate vicinity of the terminal. In addition, salinity, sediment transport and morphology are also unaffected outside the terminal area. Please refer to the Hydrodynamic Analysis report included in Appendix 10 for additional details.

Based on the absence of resources suitable for fish spawning, breeding, feeding and growth within the dredging and construction areas, no habitat of special value was identified within the affected environments. Specifically, no SAV or wetlands are present. While some benthic organisms were identified within the affected environments, they do not represent a diverse assemblage, are primarily low value (i.e., organisms that can survive in environments with reduced water/sediment quality) and can be found in adjacent areas of the river.

The majority of fish species identified during the survey are not species of special concern. Further, the affected environments are within the turbidity maximum transition zone of the estuary and the potential increases in turbidity associated with construction activities are unlikely to adversely affect fish species that are adapted to the prevailing turbid conditions. In addition, dredging and pile driving activities are anticipated to occur during the fall and winter months (i.e., outside the migratory fish spawning window which is typically March 1st – July 15th) when the majority of key species are no longer present within the area. The project does not include the construction and/or installation of waterway obstructions.

Additional details regarding EFH/benthic resources can be found in the EFH Assessment, provided in Appendix 11.

4.2.6 Commercial and Recreational Fisheries

4.2.6.1 General

The Delaware Estuary provides important spawning habitat and nursery areas for many key biological species, particularly the anadromous species. With the exception of sturgeon, these are not Federally-managed species, but do constitute the majority of the commercial and recreational fisheries. These species include:

- American shad;
- Alewife;
- Blueback herring;

- Striped bass;
- Spot;
- Scup;
- White perch; and
- Sturgeon

With respect to biomass, species such as Atlantic menhaden and bay anchovy constitute a large proportion of fishery biomass within the estuary. Also contributing to the commercial and recreational fisheries within the Delaware estuary are species more akin to marine waters including weakfish, bluefish and summer flounder.

Since about 1880, quantitative information to describe historical trends in commercial fisheries, particularly for fish and shellfish species, has been available. The trends are associated with human activities in and around the estuary. Historically, overfishing and a decline in water quality have been linked to reductions in anadromous fish stocks such as alewife and shad. However, improvements in overall water quality (mainly dissolved oxygen concentrations) since the initial enactment of the Clean Water Act in the 1972 are associated with the return of fish species to the estuary. Another impediment to the restoration of some anadromous species abundance, such as herrings and shads, are the presence of physical obstructions to migration, such as dams, in tributaries to the main stem of the Delaware River. Such obstructions impede fish migration/movement to historical spawning locations.

In general, anadromous species migrate from offshore or downriver overwintering areas to upriver spawning and foraging sites during the spring and early summer months. The majority of juvenile anadromous fish travel downstream in the fall to overwinter in deeper waters of the Delaware Bay or offshore. Species such as weakfish, bluefish and summer flounder typically use the saline lower portion of the estuary, specifically the transition zone and the bay. During the fall months, the majority of key species move down towards the bay or to deeper offshore waters. The majority of key species leave the estuary during the winter, seeking deeper offshore waters. Notable exceptions to this general pattern are sturgeon. Adult and juvenile shortnose sturgeon typically stay in the Delaware River all year and generally avoid saline waters. Juvenile Atlantic sturgeon typically spend several years in fresh to low salinity portions of the estuary before migrating to saltwater.

4.2.7 Project Site

Fish sampling performed by others in the vicinity of the project site has indicated use of this section of the estuary by a variety of species, most notably striped bass, river herring and alewife. Cherry Island flats, located on the opposite side of the federal navigation channel from the project site, is a geomorphic feature where gravid

females aggregate and various other life stages of striped bass use as nursery, foraging and resting habitat.

Based on a decline in populations indicated by landing statistics and the number of fish observed on spawning runs, alewife and river herring have been designated as Species of Concern by the NOAA. The decline has been attributed to habitat loss, habitat degradation/modification and increases in turbidity.

While construction of the proposed Edgemoor container port will result in the removal of substrate, no SAV or habitat of value was identified at the project site during the Assessment of Habitat and Benthic Resources. Further, while construction may cause increases in turbidity, these conditions will be temporary. The project site is located in the turbidity maximum of the estuary and the potential increases in turbidity associated with construction activities are unlikely to adversely affect fish species that are adapted to the prevailing turbid conditions. Based on salinity alone, it is unlikely Federally-managed species, particularly adults, will be found within the project footprint. Dredging and pile driving activities are anticipated to occur outside the spawning window (typically March 1st – July 15th), minimizing the impact to fish movement/migration during spawning runs. Dredging and pile driving activities are anticipated to occur during the fall and winter months when the majority of key species are no longer present within the area. The project does not include the construction and/or installation of waterway obstructions.

Construction of the proposed container port is likely to have beneficial impacts, both direct and indirect, to the commercial and recreational fisheries populations. Removal of contaminated sediment and the creation of a cleaner and deeper bottom is likely to allow for a healthier, more diverse benthic community to establish. The potential installation of shoaling prevention fans to manage sedimentation within the berth area is intended to reduce the frequency of maintenance dredging. The reduction in disturbance frequency may promote colonization of beneficial benthic organisms in the newly exposed and cleaner river bottom in place of the pollution tolerant and invasive species currently found at the project site.

Hydrodynamic and sediment analysis, intended to evaluate potential impacts of the project on hydrodynamics (including salinity), sediment transport and erosion/deposition in the surrounding areas, was performed for the project. The analysis indicated that hydrodynamics are only impacted within one berth length or less of the terminal and impacts are negligible outside the immediate vicinity of the terminal. In addition, salinity, sediment transport and morphology are also unaffected outside the terminal area. Please refer to the Hydrodynamic Analysis report included in Appendix 10 for additional details.

4.2.8 Vegetation

The action area associated with vegetation includes the affected environment defined as uplands above. Vegetation on the property adjacent to the project site is typical of those found on a disturbed industrial landscape. Large remnants of impervious surfaces remain at the site following the closure and the demolition of the former Chemours Edge Moor Plant. No vegetation of habitat value are present on the property. Woody plants are forbidden to become established on the impervious

covers installed over the former sludge lagoons. No SAV was detected within the dredging and construction areas. There are no vegetated wetlands within the dredging area and construction area.

In summary, no significant adverse impact to vegetation is anticipated to result on the uplands adjacent to the dredging and construction areas. There is no wetland vegetation or SAV to be impacted within the dredging and construction areas.

4.2.9 Wildlife

The affected environment for terrestrial wildlife includes the uplands located adjacent to the project site. The uplands property is completely enclosed by fencing and is currently patrolled by security services. The fencing would likely preclude the migration and/or movement of wildlife on to the site. As a result, no adverse impact to terrestrial wildlife is anticipated to result from the project.

4.2.10 Invasive Species

One invasive organism was identified during the Assessment of Habitat and Benthic Resources within the dredging and construction areas. Corbiculidae, commonly known as basket clams, are a family of bivalve mollusk originating in Asia. Of the total 648 organisms found in the 14 benthic resource assessment sediment samples, 12 Corbiculidae were identified. Various species within this family are known to reproduce rapidly and be tolerant of cold temperatures, resulting in uncontrolled growth of population sizes.

The removal of sediment (via dredging) that contains invasive species may allow endemic species to re-establish within the aquatic ecosystem. No other invasive species are known to be present within the dredging or construction areas or the adjacent uplands.

4.3 Human Environment

4.3.1 Affected Environment: Population

This section describes the demographic characteristics of the study area population pursuant to Executive Order (EO) 12898 Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations and EO 13045 Protection of Children from Environmental Health Risks and Safety Risks. Executive Order 13045 (Protection of Children from Environmental Health Risks and Safety Risks) requires federal agencies to identify and address environmental health and safety risks that may disproportionately affect children. Environmental health and safety risks are those attributable to products or substances that a child is likely to touch or ingest (e.g., air, food, drinking water, recreational waters, soil, or products they might use or to which they may be exposed).

4.3.1.1 Human Resources

Regional Setting

The City of Wilmington is located within New Castle County, Delaware, which is a part of the Philadelphia-Camden-Wilmington Metropolitan Statistical Area (MSA) as defined by the US Census Bureau. The MSA is the aggregation of eleven counties in four states: New Castle County, Delaware, Cecil County, Maryland, Burlington, Camden, Gloucester, and Salem Counties, New Jersey, and Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania. The US Census Bureau estimates the population of the MSA in 2017 at 6,065,644 people. With an estimated population of 555,036 people, New Castle County, Delaware represents 9.2 percent of the total population of the MSA. As depicted in Figure 4.3.1.1-1, counties adjacent to New Castle County, Delaware include the counties of Chester and Delaware in Pennsylvania, Gloucester and Salem Counties in New Jersey, and Cecil County, Maryland. Note that the northern portion of the border between New Castle County, Delaware and New Jersey is along the left descending bank of the Delaware River, rather than the centerline of the river. The border is located in the centerline of the river and Delaware Bay south of Artificial Island.

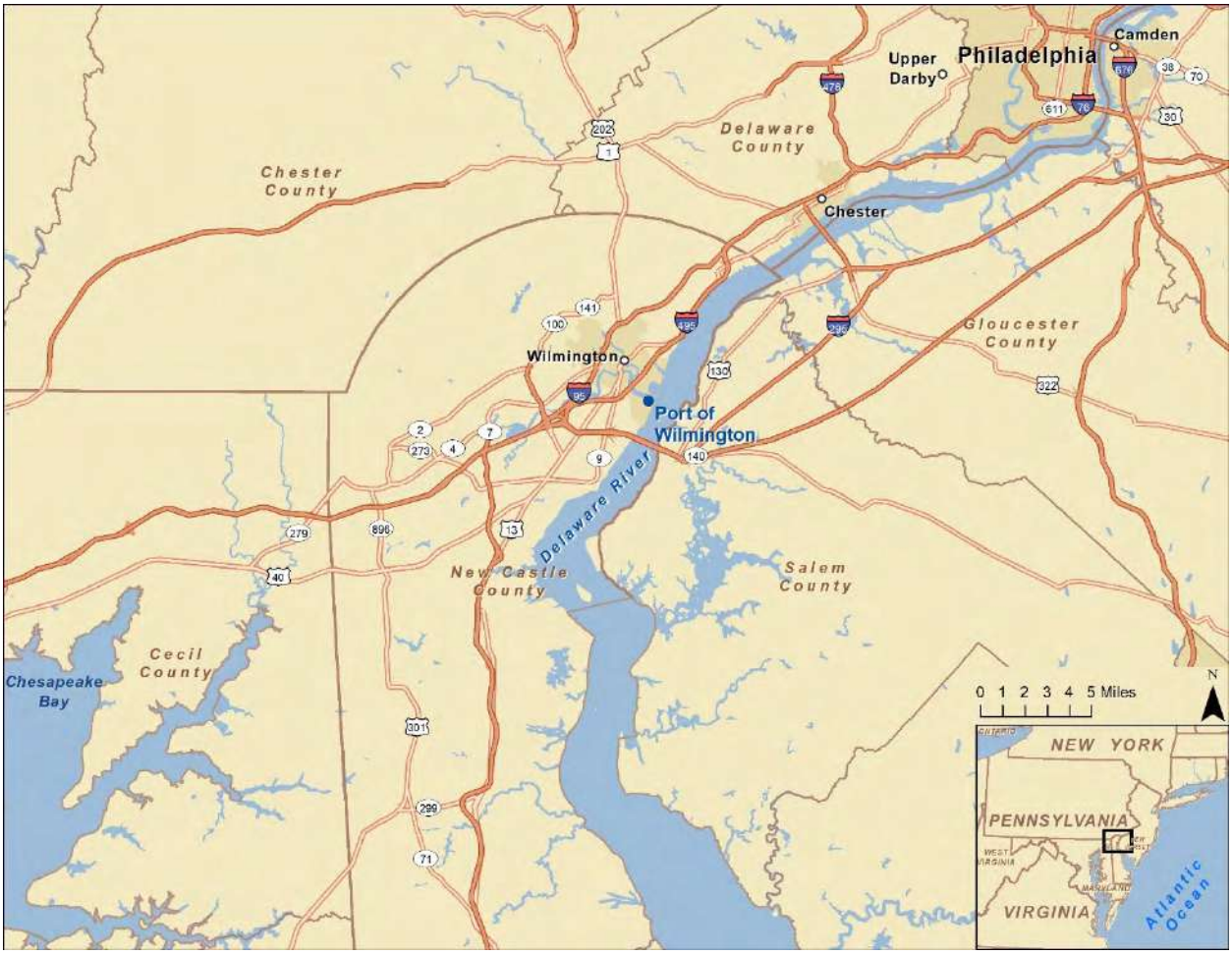


Figure 4.3.1.1-1 Regional Setting of the Port of Wilmington

Table 4.3.1.1-1 shows decadal census data for the MSA, states, and counties in the vicinity of the project site from 1980 through 2010 and includes the 2017 Census Bureau population estimates. At the MSA, state, and county levels, the region has experienced population growth in the last 40 years, except for Salem County, NJ and Delaware County, PA showing near steady population levels.

Table 4.3.1.1-1 Regional Population 1980-2017

Locale	Designated Type	Population					
		1980	1990	2000	2010	2017	% change 1980-2017
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	MSA	5,240,438	5,435,468	5,687,147	5,965,353	6,065,644	15.7%
Delaware	State	594,338	666,168	783,600	897,934	943,732	58.8%
New Castle County, DE	County	398,115	441,946	500,265	538,479	555,036	39.4%
New Jersey	State	7,364,823	7,730,188	8,414,350	8,791,894	8,960,161	21.7%
Gloucester County, NJ	County	199,917	230,082	254,673	288,288	291,372	45.7%
Salem County, NJ	County	64,676	65,294	64,285	66,083	63,776	-1.4%
Pennsylvania	State	11,863,895	11,881,643	12,281,054	12,702,379	12,790,505	7.8%
Chester County, PA	County	316,660	376,396	433,501	498,886	514,652	62.5%
Delaware County, PA	County	555,007	547,651	550,864	558,979	563,384	1.5%

Source: U.S. Census Bureau

Local Setting

Figure 4.3.1.1-2 depicts the local communities in Delaware in the vicinity of the project site, including the Cities of Wilmington and New Castle and Towns of Bellefonte, Elsmere, and Newport. Unincorporated communities, which are Census Designated Places (CDP) for reporting purposes, include Edgemoor, Claymont, Greenville, and Wilmington Manor. On the east side of the Delaware River in New Jersey, nearby communities include the Borough of Penns Grove and the unincorporated CDPs of Pennsville and Carneys Point.

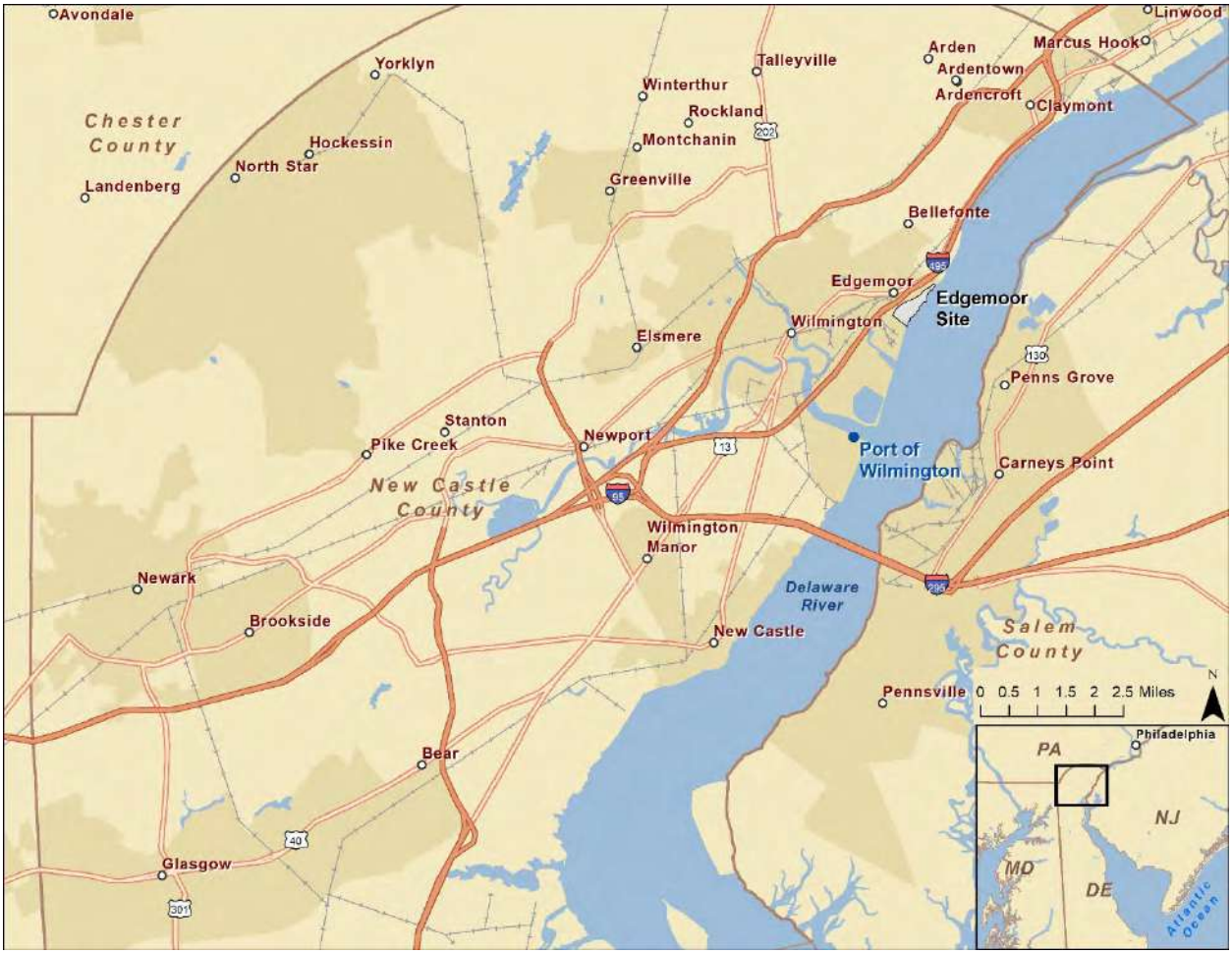


Figure 4.3.1.1-2 Local Setting of the Port of Wilmington

Table 4.3.1.1-2 shows decadal census data for communities near the project site from 1980 through 2010 and includes the 2017 Census Bureau population estimates. With an estimated 2017 population of 71,276, the City of Wilmington represents 1.2 percent of the population of the MSA. Decadal data for Greenville, DE and Carneys Point, NJ are presented for the years available. In general, the smaller local communities have experienced relatively modest population decline in the last 40 years, with Cities of Wilmington and New Castle, Delaware showing modest increases in population; however, these modest population gains are much less than the overall population increase in the State of Delaware. Most population growth in Delaware has occurred in southern portion of the state (Figure 4.3.1.1-3).

Table 4.3.1.1-2 Local Setting of the Port of Wilmington

Locale	Designated Type	Population					
		1980	1990	2000	2010	2017	% change 1980-2017
Wilmington, DE	City	70,195	71,529	72,664	70,851	71,276	1.5%
New Castle, DE	City	4,907	4,837	4,862	5,285	5,364	9.3%
Bellefonte, DE	Town	1,279	1,243	1,249	1,193	1,202	-6.0%
Elsmere, DE	Town	6,493	5,935	5,800	6,131	6,097	-6.1%
Newport, DE	Town	1,167	1,240	1,122	1,055	1,295	11.0%
Claymont, DE	CDP	10,022	9,800	9,220	8,253	8,707	-13.1%
Edgemoor, DE	CDP	7,397	5,853	5,992	5,677	6,178	-16.5%
Greenville, DE	CDP	**	**	2,332	2,326	2,305	
Wilmington Manor, DE	CDP	9,233	8,568	8,262	7,889	7,608	-17.6%
Penns Grove, NJ	Borough	5,760	5,228	4,886	5,147	4,917	-14.6%
Pennsville, NJ	CDP	12,467	12,218	11,657	11,888	11,380	-8.7%
Carneys Point, NJ	CDP	**	7,686	6,914	7,382	7,100	

** Decadal census data are not available. Source: U.S. Census Bureau

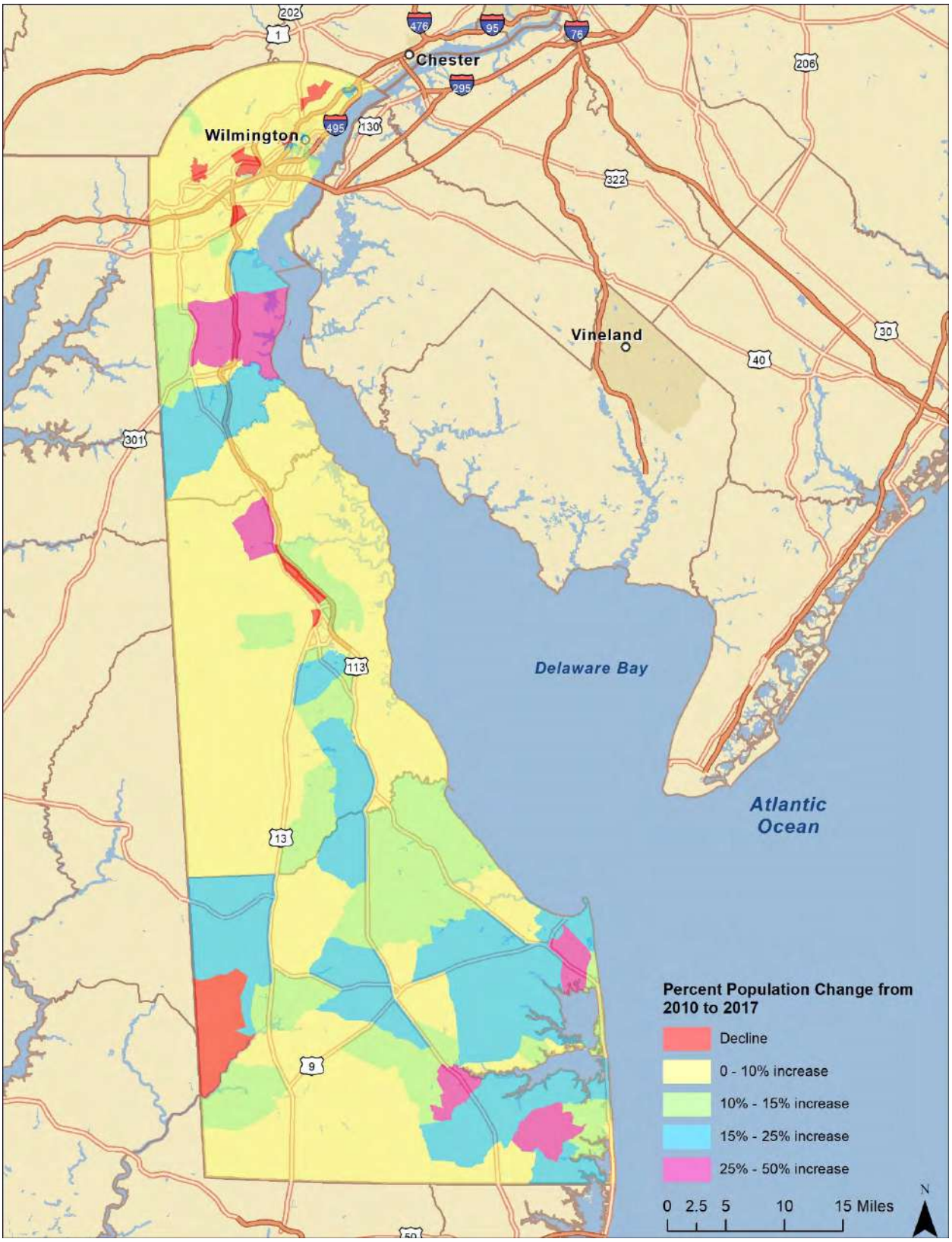


Figure 4.3.1.1-3 Percent Population Change from 2010 to 2017 in Delaware by Census Tract

4.3.1.2 Employment

Industry and employment in the City of Wilmington region historically have been dominated by specific industries. For much of the 20th century, the chemical company DuPont, with corporate and research headquarters in the City of Wilmington, was a fixture in the local economy. The company expanded outside of the region after World War II.

For over a century, the State of Delaware has been the leading jurisdiction for corporate entity formation, with more than 66 percent of the Fortune 500 companies incorporated in Delaware. This fact coupled with a judiciary widely recognized as the premier venue for dispute resolution, has resulted in the legal and corporate services industries being significant employers in Wilmington. In addition, with the enactment of the Financial Center Development Act in 1981 and other measures, Delaware has become a center for the financial services industry, including JPMC, Bank of America, Capital One and other financial institutions. The impact of these jobs on the regional employment is shown in Table 4.3.1.2-2 Top 20 Private Employers in New Castle County, Delaware 2019. While the corporate/legal and financial services industries provide important employment opportunities, only 15% of those jobs are held by City of Wilmington residents, in part, because the jobs require particular skills such that employers look outside the city and state to fill those positions[1].

Traditionally, many City of Wilmington residents secured employment in the manufacturing sector but growth in that sector the last 10 years has been slow compared to the other industries (as can been seen in the Table 4.3.1.2.3). The 10-year comparison also does not likely fully capture the significant contraction that occurred to the once robust manufacturing sector in New Castle County, Delaware. Three long-time centers of good paying manufacturing jobs shuttered, including the Chrysler Newark Assembly Plant, which began producing tanks for the Army in 1951 and converted to automobile assembly in 1957. The facility closed in 2008, with the loss of approximately 1,100 jobs. The General Motors Boxwood plant closed soon thereafter after 60 years of production, with the loss of approximately 550 employees and 575 hourly workers. Also in 2009, Valero ceased operations at its Delaware City Refinery and with it the elimination of an estimated 500 employees, 250 contractors and many employees of ancillary businesses. The refinery, however, restarted under the ownership of PBF in 2011, leading to the rehiring of employees and contractors. The Evraz Steel facility in Claymont permanently shuttered operations in 2013, which eliminated approximately 350 jobs. Importantly,

[1] https://nextcity.org/features/view/fortune-500-companies-a-central-location-and-low-taxes-cant-fix-wilmington

the loss of these jobs in the auto and steel industry went beyond the quantitative loss in that these particular employers represented a unique source of stability and opportunity for advancement, particularly for those without a college degree.

The creation of jobs associated with the expansion of the Port of Wilmington at Edgemoor, though not categorized as part of the manufacturing employment sector, will provide opportunities to the local and regional labor pool that was impacted by the closing of these facilities.

Table 4.3.1.2-1 Top 20 Private Employers in New Castle County, Delaware 2019

Company/Organization	Estimated No. of Local Employees
ChristianaCare	11,856
JPMorgan Chase	11,000
Bank of America	6,400
University of Delaware	4,493
Nemours Children's Health System	3,795
DuPont	3,400
Amazon	3,000
Capital One	2,200
Port Of Wilmington	2,000
M&T Bank / Wilmington Trust	1,800
AstraZeneca	1,500
Barclays	1,500
Discover	1,441
Siemens Healthineers	1,410
Sallie Mae	1,200
CSC	1,176
Blackrock	1,104
Chemours	1,000
WSFS	937
Agilent	800

Note: Excludes government and school districts. Retailer employment estimates not available by county and excluded here.

Sources: Company websites, Delaware Business Times Book of Lists, DPP research

Table 4.3.1.2-2: New Castle County Job Growth by Sector 2009-2019

	Total Employment, 2019	Jobs Added, 2009-2019	Employment Percentage Change, 2009-2019
Education and Health Services	58,300	13,000	29%
Trade, Transportation & Utilities	52,300	5,800	12%
Professional and Business Services	51,600	6,600	15%
Financial Activities	42,700	5,900	16%
Government	40,600	5,600	16%
Leisure and Hospitality	29,400	7,400	34%
Natural Resources & Construction & Mining	15,000	2,700	22%
Other Services	12,500	-1,500	-11%
Manufacturing	12,200	500	4%
Information	2,900	-2,000	-41%
TOTAL	**317,500**	**44,000**	**16%**

Source: Delaware Department of Labor

Within the population of the residents of the City of Wilmington, with a total estimated civilian labor force of 30,393 in 2017, the US Census Bureau estimates the primary employment sectors included healthcare and social assistance, retail, finance, and food services. Together, these sectors comprise more than 50% of the employment within the City of Wilmington.

Regional inflation-adjusted median wages (i.e., real median wages) generally have declined over time, implying that available jobs are of lesser benefit to employees. However, this decline is most notable in the City of Wilmington where the inflation-adjusted median household income has dropped from $50,400 in 2000 to $40,200 in 2017 – a decline of more than 20%. New Castle County, which includes the City of Wilmington, also showed a drop in median household income. The New Castle County income levels of $75,200 in 2000 and $68,300 in 2017 are higher than the City of Wilmington and greater than the overall median household income for the State of Delaware, revealing a disparity between urban and suburban household incomes in the region.

The income figures presented in Table 4.3.1.2-5 have been adjusted for inflation from their original values using the US Bureau of Labor Statistics' online inflation calculator[1] and rounded for ease of comparison across time. This comparison is valuable because, without adjustment for inflation,

[1] https://www.bls.gov/data/inflation_calculator.htm

wages in the region generally appear to have increased. However, when adjusted for inflation, real wages actually have declined since 2000.

Table 4.3.1.2-3 Regional Median Household Income

Locale	2000	2010	2017
Delaware	68,000	64,400	63,000
New Castle County, DE	75,200	69,800	68,300
City of Wilmington, DE	50,400	42,900	40,200
Pennsylvania	57,500	56,300	57,000
Chester County, PA	93,700	94,700	92,400
Delaware County, PA	71,900	69,200	69,800
New Jersey	79,100	78,000	76,500
Gloucester County, NJ	77,900	81,200	81,500
Salem County, NJ	65,400	66,500	63,900

Source: US Census Bureau (https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml).

Unemployment in the City of Wilmington consistently has been higher than the surrounding areas for the last 40 years (Table 4.3.1.2-6). In 2017, the City's unemployment rate was 6.4 percent, reflecting a decrease from 11.3 percent in 2010, after the recession of 2009. Unemployment in 1990 and 2000 was 6.0 percent and 5.0 percent, respectively.

Table 4.3.1.2-4 Regional Unemployment Rate

Locale	1990	2000	2010	2017
Delaware	4.7	3.7	8.4	4.5
New Castle County, DE	5.1	3.6	8.3	4.4
City of Wilmington, DE	6.0	5.0	11.3	6.4
Pennsylvania	5.5	4.1	8.5	4.9
Chester County, PA	3.3	3.0	6.2	3.6
Delaware County, PA	4.0	3.7	8.0	4.5
New Jersey	5.1	3.7	9.5	4.6
Gloucester County, NJ	5.6	3.6	10.3	4.7
Salem County, NJ	5.2	3.9	11.7	6.2

Source: Bureau of Labor Statistics (https://beta.bls.gov/dataQuery/find?)

Poverty status is determined from various statistics gathered through the census and is measured on a family to family basis. The computation is based on a "poverty threshold" for an individual or family (based on family size), where earnings in a calendar year are compared to the threshold. The U.S. Census Bureau data on poverty for the City of Wilmington shown in Table 4.3.1.2-7 indicates that the poverty rate increased from 21.3 percent in 2000 to 23.4 percent in 2010 and to 27.0 percent in 2017. The City of Wilmington poverty rates are more than double the rate in almost all surrounding areas.

Table 4.3.1.2-5 Regional Poverty Rate

Locale	2000	2010	2017
Delaware	9.2	11.3	12.1
New Castle County, DE	8.4	10.4	11.9
City of Wilmington, DE	21.3	23.4	27.0
Pennsylvania	11.0	12.8	13.1
Chester County, PA	5.2	6.1	6.9
Delaware County, PA	8.0	9.4	10.4
New Jersey	8.5	9.5	10.7
Gloucester County, NJ	6.2	7.1	7.9
Salem County, NJ	9.5	10.5	14.2

Source: US Census Bureau (https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml).

4.3.1.3 Environmental Justice

Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Population and Low-Income Populations, directs federal agencies to identify and address, as appropriate, disproportionately high and adverse human health or environmental effects of their programs, policies, and activities on minority populations and low-income populations[2] (Executive Order, 1994). When conducting National Environmental Policy Act (NEPA) evaluations, the Council on Environmental Quality (CEQ) directs federal agencies to incorporate Environmental Justice (EJ) considerations into both the technical analyses and the public involvement (CEQ, 1997).

The CEQ guidance defines "minority" as individual(s) who are members of the following population groups: American Indian or Alaskan native, Asian or Pacific Islander, Black, not of Hispanic origin, and Hispanic (CEQ, 1997). When defining areas for analysis, the CEQ defines a minority

[2] Low income is defined as a person whose household income is at or below the current Department of Health and Human Services poverty guidelines.

population as meeting the following criteria: the minority population of the affected area exceeds 50 percent of the total population, the percentage of minority population in the affected area meaningfully is greater than the minority population percentage in the general population or other appropriate unit of geographical analysis. In addition, federal agencies have interpreted the CEQ EJ guidance to include identifiable minority communities with the potential to be disrupted, even when the population does not meet the threshold of 50 percent or meaningfully greater.

Low-income populations, as defined for the purposes of EJ analyses, are identified using statistical poverty thresholds from the Bureau of the Census Current Population Reports, Series P-60 on Income and Poverty (U.S. Census Bureau, 2010). In identifying low-income populations, a community may be considered either as a group of individuals living in geographic proximity to one another, or a set of individuals (such as migrant workers or Native Americans), where either type of group experiences common conditions of environmental exposure or effect. The U.S. Census Bureau defines a poverty area as a census tract or other area where at least 20 percent of residents are below the poverty level (U.S. Census Bureau 2013). The poverty threshold[3] for a family of four for 2017 was an annual income of $24,858 (U.S. Census Bureau, 2019).

The Executive Order directs federal and state agencies to incorporate environmental justice as part of their mission by identifying and addressing the effects of all programs, policies and activities on minority and low-income populations. The fundamental principles of EJ are as follows:

1) Ensure the full and fair participation by all potentially affected communities in the decision-making process;

2) Prevent the denial of, reduction in or significant delay in the receipt of benefits by minority and low-income populations; and

3) Avoid, minimize or mitigate disproportionately high and adverse human health and environmental effects, including social and economic effects, on minority populations and low-income populations.

Table 4.3.1.3-1 shows the 2017 U.S. Census population data (as a percentage) for the City of Wilmington and the surrounding areas. As stated above, minority populations are identified when either the minority population of the affected area exceeds 50-percent of the total population, or the percentage of minority population in the affected area is meaningfully greater than the minority population percentage in the general

[3] Poverty status is determined from various statistics gathered through the census and is measured on a family to family basis with the computation based on a "poverty threshold" for an individual or family (based on family size), where earnings in a calendar year are compared to the threshold.

population or other appropriate unit of geographical analysis. According to the Council's guidance on EJ populations, the conditions necessary to define both a minority population and a population with more than 20 percent below the poverty level are present in the City of Wilmington.

Table 4.3.1.3-1 2017 Population, Race, and Percent Below Poverty Threshold

Geographic Area	2017 Population	Race Percent of Total					Percent Below Poverty Threshold
		White	Black	American Indian	Hispanic*	Asian	
Delaware	943,732	69.1	21.9	0.4	9.0	3.9	12.1
New Castle County, DE	555,036	64.8	24.6	0.3	9.6	5.5	11.9
City of Wilmington, DE	71,276	34.0	58.1	0.2	10.8	1.5	27.0
Pennsylvania	12,790,505	81.1	11.1	0.2	6.8	3.3	13.1
Chester County, PA	514,652	85.8	5.9	0.1	7.2	4.9	6.9
Delaware County, PA	563,384	69.7	21.2	0.1	3.6	5.5	10.4
New Jersey	8,960,161	67.9	13.5	0.2	19.7	9.4	10.7
Gloucester County, NJ	291,372	81.7	10.3	0.0	5.8	3.1	7.9
Salem County, NJ	63,776	80.6	13.3	0.2	8.3	1.0	14.2

* Hispanics may be of any race, so also are included in applicable race categories.

Figure 4.3.1.3-1 and Figure 4.3.1.3-2 depict the distribution of areas within New Castle County that satisfy the Council's guidance for EJ populations based on poverty rates and minority populations, respectively.

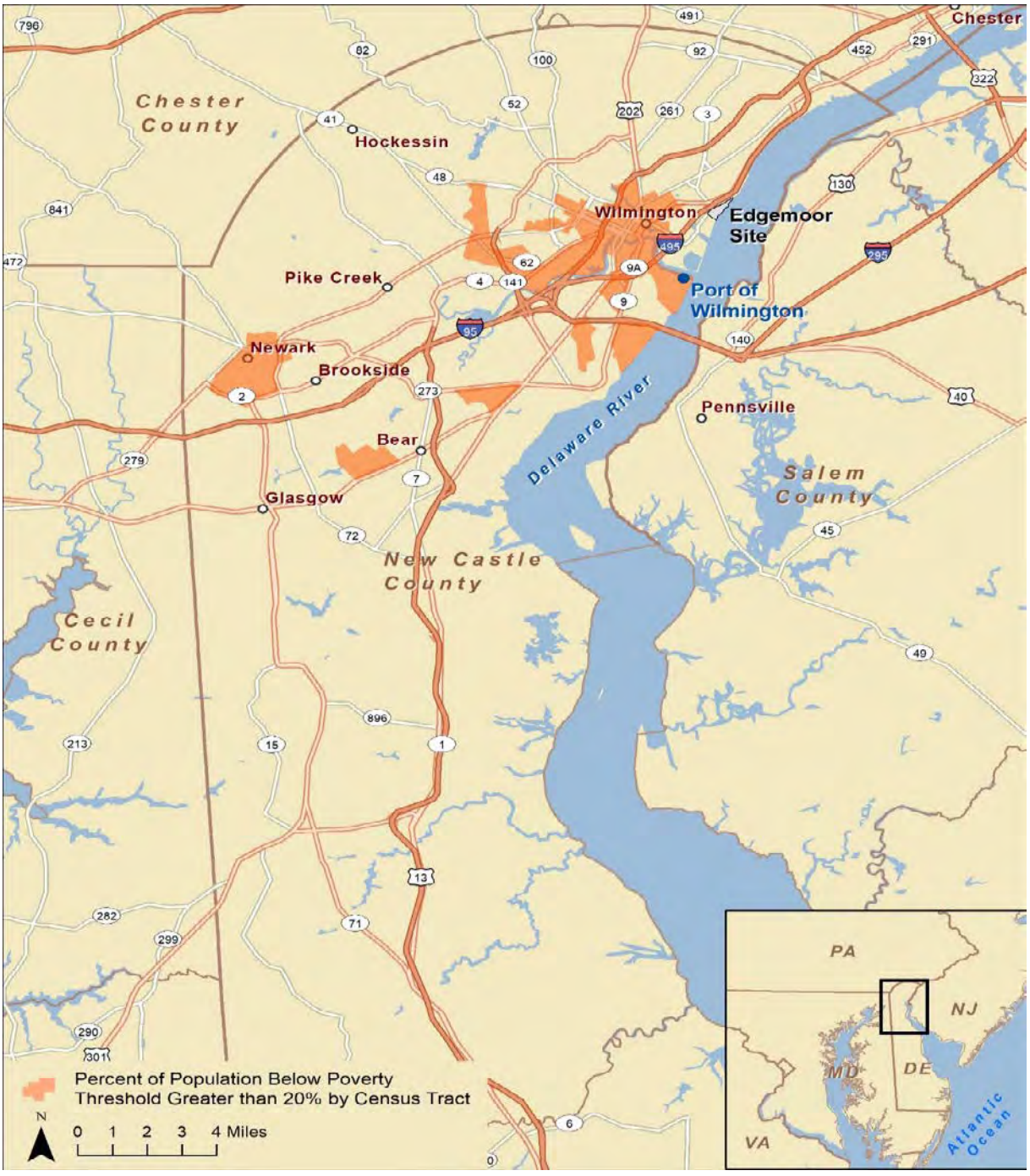


Figure 4.3.1.3-1 Areas Where Greater Than 20% of Population is below Poverty Threshold by Greater than 20% by Census Tract in New Castle County, Delaware

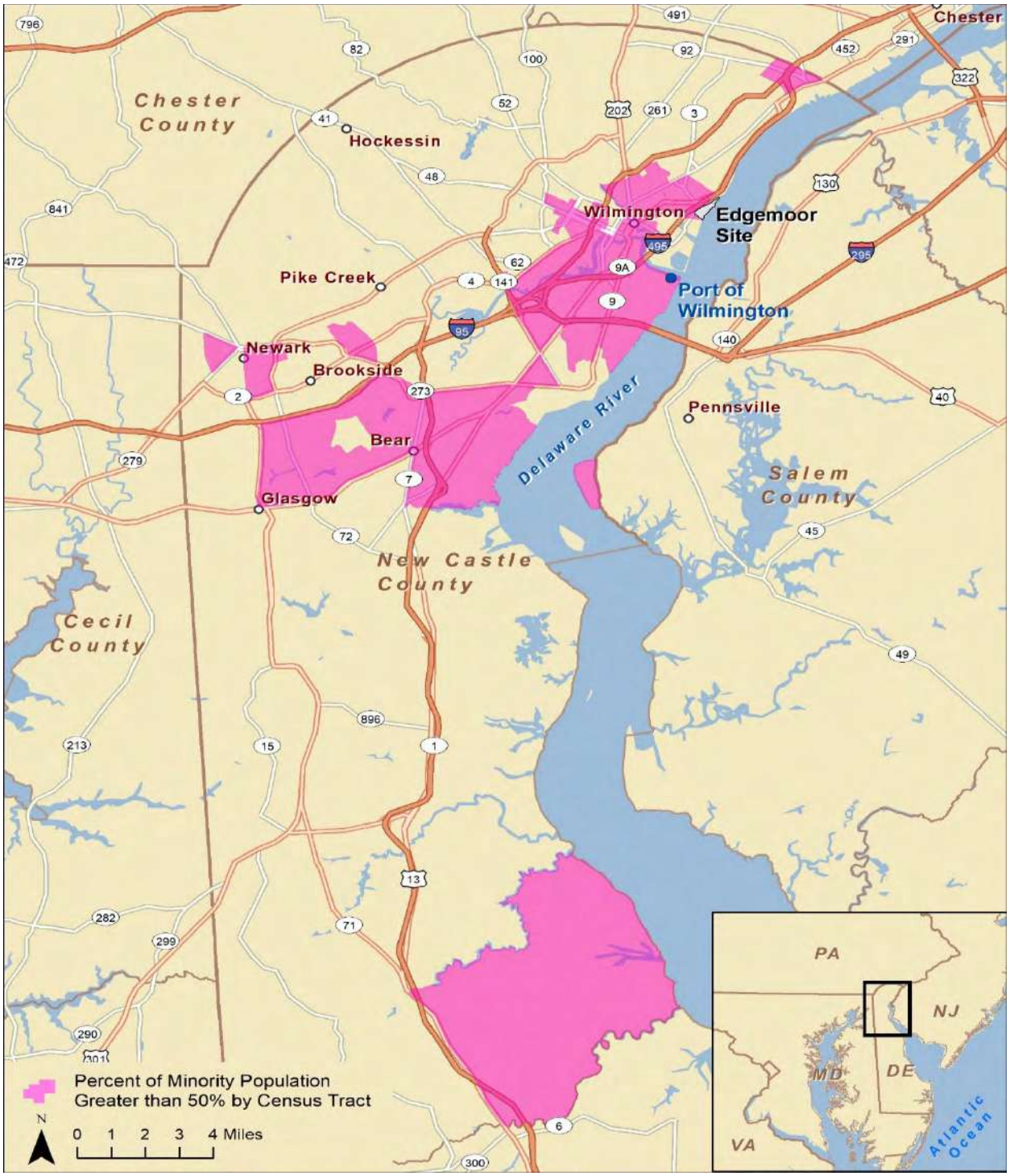


Figure 4.3.1.3-2 Area of Minority Populations Greater than 50% of Total Population by Census Tract in New Castle County, Delaware

4.3.2 Socioeconomics

4.3.2.1 Existing Conditions

The "Port Performance, Freight Statistics Program, Annual Report to Congress, 2017," prepared by the U.S. Department of Transportation, Bureau of Transportation Statistics listed the Port of Wilmington, Delaware as the 24th largest container port in the United States of America, as measured by the throughput of TEU, a common means of quantifying containerized cargos and container ships.

According to the Port of Wilmington Economic Impact Study provided in Appendix 19, the Port of Wilmington cargo handling has been increasing approximately 5.4% per year since 2010. However, containerized cargos have been increasing at an average rate of 7.7% annually since 2010. In fiscal year 2017, the Port handled a total of 5,802,000 short tons of cargo. Cargoes were categorized as follows:

Containerized	2.5 million short tons
Dry Bulk	1.4 million short tons
Liquid Bulk	1.4 million short tons
Non-Containerized	0.45 million short tons

Cargos passing through the Port of Wilmington generated approximately $463 million or $79.78 per cargo ton in value-added for the State of Delaware and approximately $4.61 per cargo ton in tax revenue or $26.7 million. Per the Port of Wilmington Economic Impact Study, the value of overseas shipments originating in Delaware range between 0.3 and 0.4 percent of all US export shipments in value while Delaware's population is just under 0.3 percent of the total US population. The study also indicates that the Port of Wilmington contributes $508.8 million in value-added to the regional economy, or $87.70 per ton of cargo moving through the port.

Per Table 10. of the Port of Wilmington Economic Impact Study, the Port generated approximately 5,390 total jobs for the State of Delaware, broken-down as 2,951 direct and 2,439 indirect and induced jobs. These figures translate to 0.93 jobs per thousand cargo tons and $330.0 million in payments to labor or $56.88 per ton of cargo.

Wages, including fringe benefits associated with port related jobs, are estimated as $62.65 per ton of cargo, with an average annual salary of $63,592, yielding $30.57 per hour. For comparison, the average hourly wage for Port of Wilmington related jobs is 7.3 percent higher than the average hourly wage within the Philadelphia – Wilmington – Camden Metropolitan Statistical Area (MSA) which is $28.49 per hour. In general, direct jobs associated with the port pay 22.3 percent and indirect jobs pay approximately 12.6 percent more than the statewide average, while induced jobs pay approximately 13.2 percent less than the statewide average. These statistics point to the importance of increasing the throughput of the Port of Wilmington as a means of improving local socioeconomic conditions.

Containerized cargo handling generated approximately 24% of the direct jobs at the Port of Wilmington in fiscal year 2017, indicating that approximately 708 of the current direct jobs at the Port of Wilmington are associated with containerized cargo. Those jobs paid approximately $29.44 per hour, yielding an average annual salary exclusive of fringe benefits of $61,230. These jobs include truck drivers, longshoremen, port operations workers, and rail crews among others. Containerized cargo handling requires approximately 0.28 jobs per thousand tons of cargo.

Within the region, defined as being the Philadelphia – Wilmington – Camden MSA, the Port generated approximately 5,717 total jobs, broken down as 2,951 direct and 2,766 indirect and induced jobs. The regional benefits of the Port included:

- $508.8 million or $87.70 per cargo ton in value-added
- $922.2 million or $158.94 per cargo ton in total output/final demand
- $35.6 million or $6.13 per cargo ton in tax revenue

4.3.2.2 Forecast Conditions

According to the Port of Wilmington Economic Impact Study (Appendix 19), economic studies have indicated a strong correlation between U.S. port operations and economic benefits. The more cargo that moves in or out of a U.S. port, the greater the economic impact to a locale and region in the forms of income, employment, output, and tax revenue. The Port of Wilmington Economic Impact Study used the IMPLAN economic model to forecast the economic impacts that can be expected to result from an expansion of the containerized cargo passing through the Port of Wilmington. In general, the model uses input such as the number of direct jobs to generate predictions regarding direct, indirect, induced employment, income, economic output and tax revenue. Based on research conducted by the modelers, direct employment at the existing Port of Wilmington tied to containerized cargo is 0.28 jobs per thousand cargo tons.

Based on the U.S. Department of Transportation report titled, "Port Performance, Freight Statistics Program, Annual Report to Congress 2017", 157 container vessels call on the Port of Wilmington annually, bringing 181,000 twenty-foot equivalent units (TEU) inbound loaded cargo containers and 80,000 TEU outbound loaded cargo containers, for a total of 261,000 TEU of loaded containers. GT USA Wilmington is predicting that the expansion of the Port to Edgemoor will promote vessel traffic to increase 55% over current traffic, leading to a forecast of approximately 244 container vessels annually calling at Edgemoor and a throughput of 1,182,600 TEU of loaded containers. These increases are based on 87 more vessel calls per year than in 2016.

According to the Port of Wilmington Economic Impact Study, 2,337,000 short tons of containerize cargo moved through the Port of Wilmington in 2016. Using the number of loaded containers that passed through the Port

that year yields an estimated 8.95 tons of cargo per TEU, based on current Port of Wilmington cargos. This conversion value is used to estimate the future economic benefits that are anticipated to be derived from the expansion of containerized cargo throughput associated with the preferred port expansion at Edgemoor.

The expansion of containerized cargo is anticipated to require 2,965 direct and indirect jobs, based on 0.28 jobs per thousand tons of cargo handled and an expansion of cargo tonnage to approximately 10,600,000 tons per annum. Subtracting the estimates of existing jobs associated with containerized cargo handling from this future estimate, suggests that approximately 2,260 jobs would result from the expansion in annual containerized cargo throughput. These jobs, with benefits are anticipated to pay on average $30.57 per hour in 2017 dollars.

The total added value to the State of Delaware economy is forecasted to be approximately $846 million per annum. Compared to the existing estimate of $463 million per annum, the additional containerized cargo throughput would provide a net value added of approximately $383 million per annum.

State and local taxes derived from the expanded containerized cargo throughput would be approximately $48.9 million per annum. This figure represents an approximate $22.2 million annum increase in income to the State of Delaware and local governments.

Regionally, the value added associated with the expansion of containerized cargo throughput is forecasted to be approximately $930 million for the Philadelphia – Wilmington – Camden MSA per annum. This value added is an approximate annual increase of $421 million to the MSA over the current yield from the Port of Wilmington.

The benefits of the increased jobs, wages, and taxes are expected to directly improve unemployment and reduce poverty in the City of Wilmington. The types of jobs generated by the expansion of containerized cargo throughput are expected to include truck drivers, longshoremen, port operations workers, and rail crews, all of whom could be recruited from the local population, including the unemployed. The City of Wilmington and New Castle County have reported 2017 populations of approximately 71,276. About 70% of the population of Wilmington are minorities (approximately 50,071 people) and more than 20% of the population or 19,245 people have incomes below the poverty level. The jobs being added due to the project are local to the population of Wilmington, suggesting that much of the job recruitment could come from the City. The 2,260 new jobs forecasted to result from the containerized cargo expansion represent an opportunity for approximately 3% of the population of the City of Wilmington, 5% of the minority population in Wilmington, and 12% of the population living below the poverty level in Wilmington.

4.3.3 Community and Recreational Resources

4.3.3.1 Community Facilities

The proposed project is being constructed adjacent to a site that formerly employed large numbers of fulltime workers. The former facility operated 24 hours per day and 7 days per week, all year. Within the action area, housing, emergency services, schools, hospitals and similar community facilities were developed to handle the needs of the former Chemours Edge Moor Plant work force.

The proposed project will not directly affect the existing community facilities, as it is limited to dredging and wharf construction. However, there is an indirect effect of the project on community facilities that is associated with the work force that will be hired to staff the future port. This work force will be similar to, but larger than the work force previously present at the former Chemours Edge Moor Plant. This work force is anticipated to restore and support the community facilities in the action area that were adversely impacted by the closure of the former Chemours Edge Moor Plant.

4.3.3.2 Recreational Facilities

Recreational facilities within the project area are associated with pleasure boating and fishing. Restricted access to the water from the land adjacent to the project site currently limits recreational fishing opportunities. The close proximity of the project site to portions of the Delaware River that are heavily traveled by large commercial vessels and the relative absence of nearby shelter, boat ramps and other amenities that would be attractive to recreational boaters tends to limit recreational use of the project site to transient passage of recreational boaters. Swimming currently is prohibited in this reach of the Delaware River due to poor water quality.

Lands upriver from the project site are part of Fox Point State Park. Fox Point State Part was created as part of a State of Delaware Brownfield Program project which covered a former area of landfill that posed unacceptable human health and environmental risks prior to being remedied. According to the Division of Parks and Recreation website, Fox Point State Part currently supports “watching the river at work. With the shipping channel a scant hundred yards away, the view of tugs and tankers will truly be up close and personal. Interactive displays describe the functions of the various watercraft plying the river.” Other activities are listed as biking on paved trails, horseshoes, kite flying, picnicking, volleyball, walking, and jogging.

The proposed project will directly impact and enhance the primary purpose of Fox Point State Park by bringing container ships, support vessels, such as tugs, and a working port within easy and safe viewing distance of park visitors. Other park activities will not be impaired by the project. Potential impacts of the project on park visitors are discussed in sections 4.3.4 and 4.3.10.

4.3.4 Visual and Aesthetic Resources

The project area is located along the Delaware River and adjoins an industrial zone. The property adjoining the project area is the former location of the Chemours Edge Moor Plant and the site proposed for landside operations of the new container port.



Photograph 1: Southern portion of the Edgemoor Property along Hay Road.

The property was previously an active chemical manufacturing plant since the 1930s and is currently not in operation. Much of the above grade plant infrastructure has been demolished. Pavements and capping systems cover much of the Edgemoor property. Landside, the Edgemoor property is bounded by local roadways, I-495, and industrial properties. This area of Edgemoor, Delaware, historically has been used for industrial purposes. Figure 4.3.4-1 depicts the project area and the adjoining industrial areas.

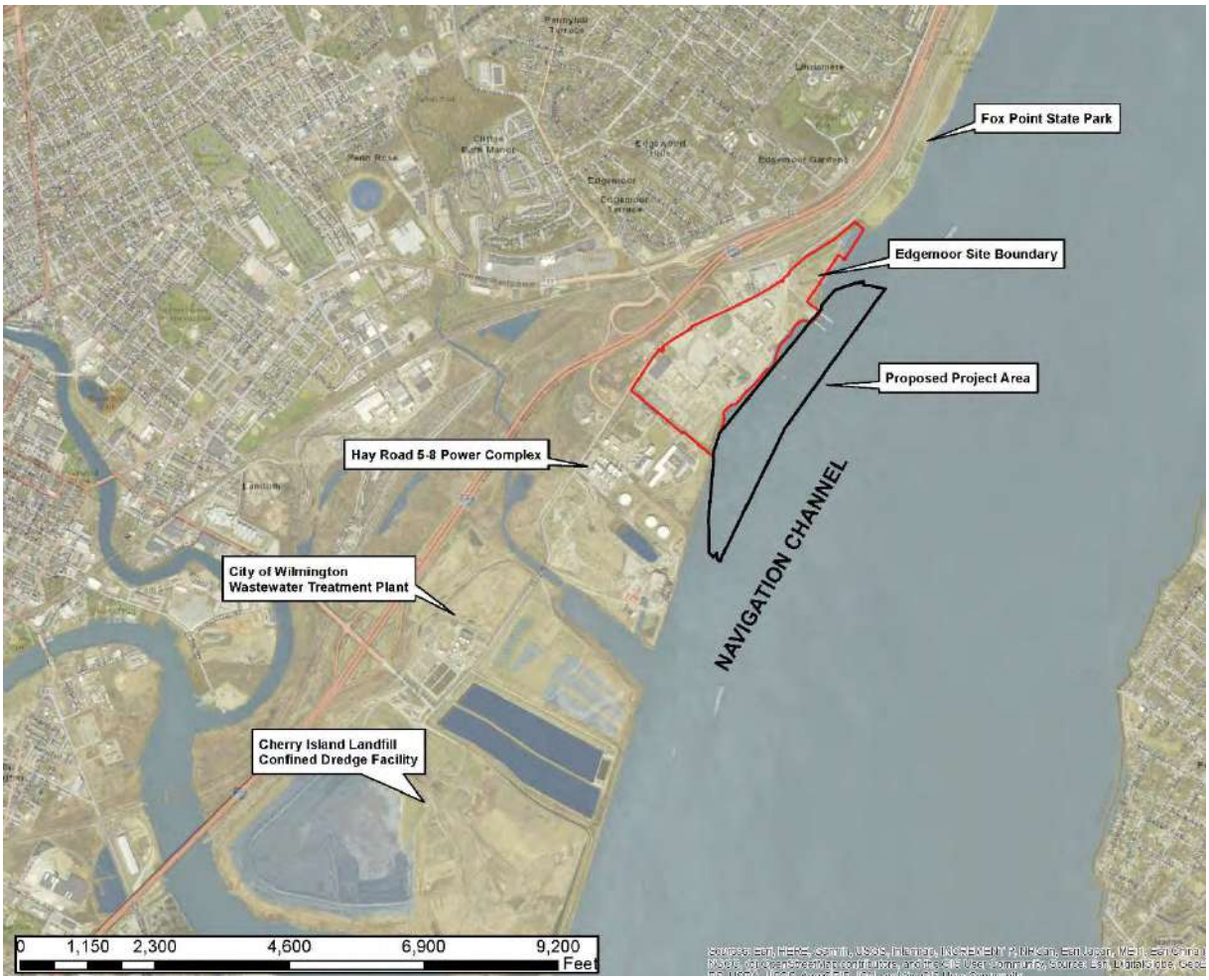


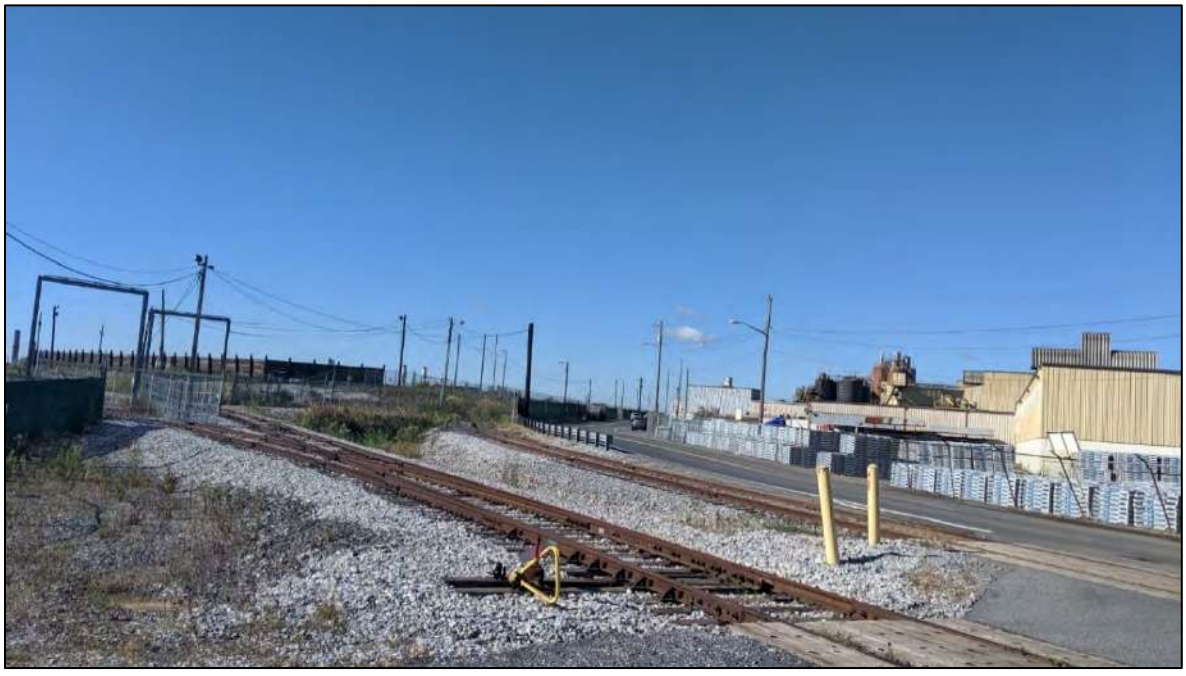
Figure 4.3.3.2-1 Visual Impacts Assessment: Site Location Map

North of the project area is Fox Point State Park. The park was previously a landfill and has been redeveloped for recreational use. The state park extends approximately one mile along the Delaware River and is comprised of walking trails, open grass space, playgrounds, and recreational structures. Visitors of Fox Point State Park have a wide view of the Delaware River. Looking south down the river, recreational users of Fox Point State Park are able to see the project area in the river and the adjacent upland Edgemoor property. Further south past the project area, visitors can see smoke stacks and industrial infrastructure located along the river.



Photograph 2: View of the project area and industrial infrastructure south of the Edgemoor Property from Fox Point State Park.

Visitors also are able to view an existing manufacturing facility located adjacent to the park entrance and the property.



Photograph 3: View of manufacturing facility looking from the entrance of Fox Point State Park.

Park visitors travel along Lighthouse Road which separates the manufacturing facility and the Edgemoor property before entering the Park.

Downriver from the Edgemoor property to the Delaware Memorial Bridge, shoreline properties are used exclusively for industrial, municipal waste disposal, municipal waste treatment and transportation purposes. Immediately adjacent to the property to the south are electricity generating facilities, identified as Hay Road 5-8 Power Complex and an industrial park.

The City of Wilmington Wastewater Treatment Plant (WWTP) is located south of the Power Complex. Continuing south and adjacent to the WWTP is the Cherry Island Landfill operated by the Delaware Solid Waste Authority. The Wilmington Harbor South Confined Dredge Facility (WHS CDF) owned by the U.S. Army Corps of Engineers and used for storage of dredged sediments from the Christina River is also in the area. The WHS CDF is adjacent to Cherry Island Landfill. The entire area is bounded to the west by Interstate-495 (I-495).

To the west of the Edgemoor property is I-495; the Northeast Corridor Railroad, which serves Amtrak, SEPTA and Norfolk Southern passenger and freight trains; and U.S. Highway 13. I-495 and U.S. Highway 13 are heavily traveled roadways. There are commercial properties located along U.S. Highway 13. To the west of the commercial properties are residential developments along Governor Printz Boulevard. Residential communities are located to the north and northwest of U.S. Highway 13 and commercial development is located along the roadway. The closest residential properties are approximately 0.41 miles from the project site. The residential developments situated north of the project area, in the Bellefonte community, and northwest of the project area along Edgemoor Road, are at a higher elevation than the project site according to USGS topographic maps of Edgemoor, Delaware and the surrounding area. Residents in these areas have a view of the existing manufacturing facilities and the Edgemoor property when looking southeast across I-495 towards the project area.



Photograph 4: View southeast towards the project area from Edgemoor Road.

Looking further south, smoke stacks and industrial infrastructure located at the Hay Road 5-8 Power Complex are visible.



Photograph 5: View of industrial infrastructure south of the project area from Edgemoor Road.

Directly to the east of the project area, across the Delaware River, is the residential community of Penns Grove, New Jersey. Northeast from the project area, north of Penns Grove, USACE dredged material disposal areas are located along the shoreline of the Delaware River. Further southeast from the property on the eastern shoreline is Carneys Point, New Jersey as well as the Chemours Chambers Works chemical plant located adjacent to the Delaware Memorial Bridge. Residents in Penns Grove and Carneys Point along the shoreline of the Delaware River have a clear view of the project area and the adjacent industrial sites when looking northwest across the river. Industrial infrastructure remaining at the Edgemoor property and the dock are visible from the opposite side of the river. Buildings, industrial infrastructure and smoke stacks located on the adjacent Hay Road 5-8 Power Complex and the City of Wilmington WWTP are also distinguishable on the skyline above the western shoreline.

4.3.4.1 Direct Impacts to Visual and Aesthetic Resources

Construction of the project is expected to involve the use of a dredge, barges, and several support vessels for the dredging portion of the project. The project also involves construction of the wharf which will require the use of up to two cranes working concurrently. Cranes will be utilized to drive support piling and lay decking during construction of the wharf.

Wharf construction and dredging of the project area will be most viewable from the southern-most portion of Fox Point State Park. The dredge,

barges, and supporting vessels will be visible when looking south towards the project area. The dredging operations are temporary and the views of the Delaware River will not be obstructed since the dredging activities are located along the shoreline south of the state park. Therefore, the dredging of the project area is not anticipated to negatively impact the visual and aesthetic resources of Fox Point State Park. Wharf construction operations and the cranes will be viewable from the park when looking south. However, the views of the Delaware River will not be obstructed since construction is located along the shoreline south of the park and will only be most visible when looking south from the southern portion of the park. The view of the cranes during the wharf construction will be a temporary impact to the view of the southern skyline for visitors and will not have an impact the expansive view of the Delaware River at Fox Point State Park.

The area south of the project area from the Edgemoor property to the Cherry Island Landfill is used for heavy industrial purposes and is bounded to the west by I-495. The dredging operations and wharf construction are not anticipated to have an impact on the visual and aesthetic resources of these areas. The project activities are consistent with the historic industrial land use of the project location and adjacent areas.

Residents in the area west of the project site on Governor Printz Boulevard are not anticipated to be able to view dredging of the project area or the wharf construction due to the distance from the site and because the line-of-sight looking southeast towards the project site will be blocked by I-495 as well as commercial and industrial infrastructure in the area. Residential communities located to the north and northwest of the project area are not anticipated to be able to view the dredging operations at the project site due to the presence of U.S. Highway 13, commercial development along the roadway, and I-495 located between the residential communities and the project site. The dredging of the project area is not anticipated to impact the visual and aesthetic resources for the nearby residential communities. The nearby residents to the north and northwest will likely be able to see the top portion of the cranes during construction of the wharf. The wharf construction and view of the cranes will be a temporary impact to the viewpoints of the neighboring residential communities. Additionally, it is not anticipated to be a significant impact given the historic industrial land use of the area surrounding the project site and the current visual-state of the abandoned industrial facility at the Edgemoor property.

The dredge vessel, supporting vessels, and cranes are likely to be visible for residents in New Jersey looking west and northwest across the Delaware River. The dredging and wharf construction are taking place along the shoreline on the opposite side of the river, with the closest New Jersey residents located approximately 1.45 miles east of the project area. At this distance, the dredge and supporting vessels will have a minimal impact on the view of the Delaware River. The cranes and wharf construction activities are also anticipated to have a minimal impact to the view of the Delaware River.

The dredging and wharf construction are taking place in an area of heavy industrial use that spans approximately 2.60 miles of the western shoreline visible to residents in New Jersey along the Delaware River. The former Chemours Edge Moor plant, along with the adjacent industrial sites, have historically had vertical infrastructure, including a water tower and smoke stacks, which comprised the western skyline above the shoreline. The proposed dredging and wharf construction are consistent with the current and historic visual and aesthetic resources of the area and are not anticipated to adversely impact the view-scape of the western shoreline for New Jersey residents.

4.3.4.2 Indirect Impacts to Visual and Aesthetic Resources

Following the dredging and construction of the wharf, a state-of-the-art port facility will be constructed upland of the project area on the upland property. Construction equipment, truck traffic, and support vessels will be on-site during construction activities. Ship traffic traveling along the Delaware River navigational channel is anticipated to increase with large cargo vessels coming into and out of the port at Edgemoor. During the construction of the port and subsequent operation, there are expected to be five cranes implemented on the wharf for loading and offloading docked ships.

Visitors of the Fox Point State Park will be able to see the construction of the port facility and subsequent operation of the port. The construction activities will be most viewable from the southern portion of the park looking south. The port cranes will be visible to visitors of the park when looking south. However, the expansive views of the Delaware River from Fox Point State Park will not be obstructed since the port will be located along the shoreline south of the park. When the port is in full operation, ship traffic of large cargo vessels is expected to increase. Viewers at Fox Point State Park will be able to see ship traffic coming into the port facility and traveling along the main navigational channel. This is not anticipated to negatively impact the visual experience from Fox Point State Park since the port ships will be docking south of the park and not hindering the viewpoints of the Delaware River. Fox Point State Park is a popular location for viewing maritime activity on the Delaware River and implementing a port facility south of the park is not anticipated to negatively impact the visual aesthetic and opportunities at the park. According to the Delaware Division of Parks and Recreation, “The Delaware River has long been a working river, and Fox Point State Park provides front row seats for watching the river at work. With the shipping channel a scant hundred yards away, the view of tugs and tankers will truly be up close and personal. Interpretive displays describe the functions of the various watercraft plying the river.”

The areas located adjacent to the project area and along the Delaware River to the Christina River is used exclusively for industrial purposes. Historically, this area of Edgemoor, Delaware has been used for industrial

purposes. Converting the former Chemours Edge Moor Plant site into an operational port facility will be consistent with the industrial use of the area. The construction and operation of the port facility and the increased ship traffic along the Delaware River navigational channel are not anticipated to have an impact on the visual and aesthetic resources of the area downriver from the project site.

During the construction of the port and subsequent operation, there will be cranes located on the berth. It is anticipated that the nearby residential communities will be able to see the port cranes during construction and operation of the port facility. Residents closest the U.S. Highway 13 such as on Paladin Drive, Salisbury Drive, and Edgemoor Road will likely have the most direct viewpoint of the top portion of the port cranes when looking towards the project site. The residential communities situated north of the project area, in the Bellefonte community, as well as northwest along Edgemoor Road, are at a higher elevation than the project site according to USGS topographic maps of Edgemoor, Delaware and the surrounding area. Residents in this area will likely have a clearer view of the port construction and operation when looking down towards the project site. The view of the top portion of the port cranes above I-495 and the commercial development along U.S. Highway 13 will be the most noticeable change to the skyline for these residents. It is not anticipated that the ship traffic coming in and out of the port will be visible for residents nearby U.S. Highway 13 and I-495. The ship traffic will likely not be high enough to be viewable over I-495 and other viewpoint obstructions between the project site and the nearby residents. However, the residents located at higher elevations near the project site, typically northwest of the project area, may be able to see ship traffic more clearly during high-tide and port operations looking down into the project area and the upland property.

New Jersey residents are anticipated to be able to view the construction of the port from across the Delaware River looking northwest. What will be most visible to New Jersey receptors, mainly residents along the Delaware River in Penns Grove and Carneys Point, will be the supporting vessels docked along the wharf and the cranes supporting the construction of the port infrastructure on the upland property. The construction activities will be a temporary impact and minimally intrusive on the expansive view of the Delaware River from the eastern shoreline. The port cranes will be viewable on the western skyline and will likely be the most noticeable change to the view-scape of the project area for receptors in New Jersey. Once the port facility is in full operation, New Jersey residents located along the shoreline are expected to see the ships navigating the main channel on the west side of the Delaware River and coming into and out of the port at Edgemoor. From the opposite side of the river, residents will be able to see the operation of the port cranes during loading and unloading of the large cargo vessels. It is anticipated that port operations on the wharf, cranes, and ship traffic in the navigational channel will be the extent of the visible operations for New Jersey receptors. The development of the upland property into an operational port facility is consistent with the

current and historical land use of the area and is not anticipated to negatively impact the visual and aesthetic resources for receptors in New Jersey along the river.

Currently, the state-of-view of the project area and the upland property is an abandoned, demolished industrial facility with industrial infrastructure and smoke stacks visible on the skyline adjacent to the site. Historically, the land along the Delaware River between Fox Point State Park and the Christina River and bounded to the west by I-495 has been utilized for industrial purposes. Rather than remaining a demolished remnant of the former chemical manufacturing plant, the project area and the upland property will be repurposed into a state-of-the-art port facility accommodating large cargo vessels travelling up the Delaware River. Converting the project area and the upland property into an active, state-of-the-art port facility is consistent with the historic land use of this area of Edgemoor, Delaware. Port construction and operation are not anticipated to negatively impact the visual and aesthetic resources of the nearby residential communities, Fox Point State Park, and the surrounding area.

4.3.5 Existing Infrastructure

The project area is located along the Delaware River and adjoins an industrial zone. The property adjoining the project area is the former location of the Chemours Edge Moor Plant. Infrastructure that remains in the project area from the former Chemours Edge Moor Plant includes a pier and pipeline structure, a submerged wastewater discharge pipeline, a wood and concrete pier, and a range light. Figure 4.3.5-1 depicts the location of the existing infrastructure within the project area.



Figure 4.3.4.2-1 Existing Infrastructure Impacts Assessment: Site Location Map

4.3.5.1 irect Impacts to Existing Infrastructure

The pier and pipeline structure is located in the approximate center of the project area and previously served as the cooling water intake and discharge conveyance system from the former Chemours Edge Moor Plant. It consists of a small steel pathway with concrete supports which connects from a concrete platform to the shoreline of the upland property. The structure extends approximately 350 feet into the river perpendicular from the shoreline. A pipeline sits on top of the metal trusses and connects to a small operations building on the concrete platform. Prior to dredging and wharf construction, the structure will be demolished.

A submerged pipeline that served as the wastewater discharge from the former Chemours Edge Moor Plant extends from the shoreline perpendicularly into the river. The pipeline is located to the north of the pier. The proposed container port will be served by a central wastewater

collection system that connects to the New Castle County sanitary sewage collection system. A wastewater discharge to the Delaware River will not be required for the container port. The pipeline is located north of the project area and is not anticipated to be impacted by dredging or wharf construction.

A pier is located on the northern end of the project area. The main concrete slab on the shoreline connects to two docks comprised of concrete and wood structures. The two docks extend into the river approximately 315 feet perpendicularly from the concrete slab towards the navigation channel. The pier will be demolished prior to dredging and wharf construction activities in the project area.

A range light is located adjacent to the pier on the north end of the project area. The range light is located in the river approximately 200 feet from the shoreline and is situated in the area that is designated to be developed into the wharf. The range light is used actively for ship navigation on the Delaware River. Prior to project activities, the range light is expected to be relocated to a spot along the navigational channel deemed effective by the appropriate organizations including the U.S. Coast Guard. The applicant will cooperate with regulatory agencies to relocate the range light to the appropriate location.

4.3.5.2 Indirect Impacts to Existing Infrastructure

The submerged wastewater discharge pipeline is not anticipated to interfere with the construction of the port facility on the Edgemoor property. Demolition of the submerged pipeline may not be required and the pipeline may be left in place. Therefore, construction and operation of the port facility are not expected to indirectly impact the submerged pipeline.

Some above-grade structures remain on the upland property from the former Chemours Edge Moor Plant. Curbing, concrete foundations and supports, utility poles, and demolition debris are found throughout the upland property. Few buildings remain. The remaining above-grade infrastructure likely will be demolished or buried by construction of the new port facility.

4.3.6 Landside Transportation Infrastructure

On the right descending bank of the Delaware River and about two miles north of the confluence with the Christina River, the former Chemours Edge Moor Plant is bordered by Hay Road on the northwestern side, which provides direct access to northbound I-495. The southbound lanes of I- 495 are accessed via Delaware State Highway 3 (Edgemoor Road) at a distance of about 800 feet from the intersection of Hay and Edgemoor Roads. Average Annual Daily Traffic (AADT) counts Hay Road

and Edgemoor Road in 2018 were 331 and 9,129 respectively, as reported by the Delaware Department of Transportation[4].

The Port of Wilmington accesses the Interstate Highway System by I-495 at a distance of about 0.5 miles away from the Port entrance via Delaware State Highway 9A (Terminal Ave.). Average Annual Daily Traffic (AADT) counts for Terminal Avenue in 2018 was 5,762.

I- 495 provides access to Interstate Highway 95 (I-95), the major north/south corridor on the US east coast, Interstate Highway 295 (I-295), providing access to New Jersey and the New Jersey Turnpike, and Delaware State Highway 1, which provides access to the southern portion of Delaware (Figure 4.3.6-1). Population centers along I- 95 are Philadelphia, Pennsylvania and Newark, New Jersey to the north and Baltimore, Maryland, Washington, D.C., and Richmond, Virginia to the south.

As depicted in Figure 4.3.6-1, regional rail service to the former Chemours Edge Moor Plant is provided by local rail spurs from Norfolk Southern, which connect to Amtrak's Northeast Corridor (NEC). Both CSXT and Norfolk Southern provides freight rail service from the north using the NEC from Philadelphia, PA. Norfolk Southern can provide rail services from the south. The Port of Wilmington is also serviced using local rail spurs off Amtrak's NEC. The Shellpot Secondary rail line provides Norfolk Southern rail access to the local tracks and access to the Port of Wilmington. The NEC imposes height restrictions on rail service from a maximum height above top of rail of 15 feet and eight inches to 19 feet, depending on the routes used. Single stack containers cars, typical box cars, tank and hopper cars meet these height restrictions. Multilevel automotive rail service is provided by Norfolk Southern from the south because sufficient overhead clearance is available (DSPC, 2016).

[4] https://deldot.gov/Publications/manuals/traffic_counts/pdfs/2018/2018NewCastleCounty.pdf?060419

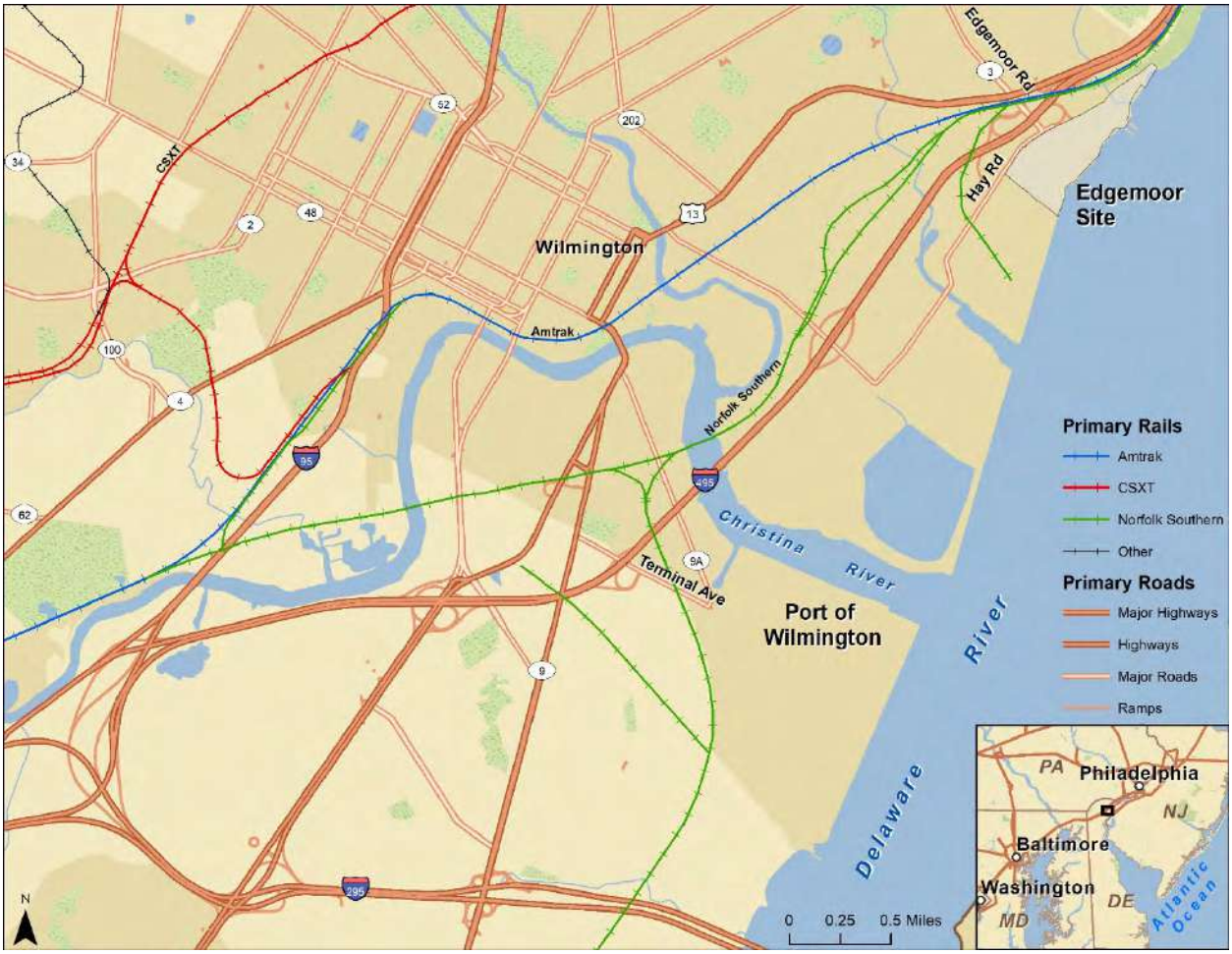


Figure 4.3.5.2-1 Primary Rail and Road Infrastructure Providing Access to the Port of Wilmington and the Former Chemours Edge Moor Plant

4.3.7 Waterborne Transportation Infrastructure

The Delaware River provides a commercial navigation route from Trenton, New Jersey to the Atlantic Ocean. The federal navigation channel extends from the mouth of Delaware Bay to the marine terminal at Trenton, New Jersey for a total distance of about 133 miles. Waterborne freight transportation on the Delaware River is primarily conducted at the Port of Philadelphia, Port of Camden, and the Port of Wilmington (Table 4.3.7-1). Smaller commercial navigation facilities are also found along the river. The USACE, in partnership with the Philadelphia Regional Port Authority, currently is deepening the main channel from Philadelphia to the Atlantic Ocean from 40 to 45 feet.

The Port of Philadelphia, located on the right descending bank of the Delaware River, is about 79 miles from the beginning of the 45-foot deep federal navigation channel in Delaware Bay. Vessel berth depth is 45 feet. The air draft of the port is 150 feet,

restricted by the Walt Whitman Bridge. The port has container, refrigerated, roll-on/roll-off (RO/RO), bulk, breakbulk and liquid bulk facilities[5].

Across from the Port of Philadelphia, on the left descending bank of the Delaware River, near the mouth of Newton Creek, is the Port of Camden in southern New Jersey. Also about 79 miles from the beginning of the federal navigation channel, the Port of Camden has a berth depth of 45 feet and is restricted to an air draft of 150 feet by the Walt Whitman Bridge. The port has facilities for handling containerized, bulk, and breakbulk cargo[6].

Located at the confluence of the Christina River and the Delaware River, the Port of Wilmington is located approximately 57 miles from the beginning of the federal navigation channel in Delaware Bay. Berth depths along the Christina River are a maximum of 38 feet. Typically, these berths are used to handle container, refrigerated, petroleum, bulk, and breakbulk cargos[7]. A berth along the Delaware River has a usable draft of approximately 42 feet for ships carrying RO/RO and break-bulk cargos. The port has an air draft of 188 feet, as restricted by the Delaware Memorial Bridge.

Table 4.3.5.2-1 Comparison of Major Ports on the Delaware River

Port	Distance from Atlantic (miles)	Port Draft Depth (feet)	Air Draft[8] (feet)
Philadelphia	79	45	150
Camden	79	45	150
Wilmington	57	38	188

4.3.7.1 Channels and Turning Basin

The existing navigation channel to the Port of Wilmington and project area is approximately 60 miles from the Delaware Capes, referring to a line across Delaware Bay from the Cape May Light in New Jersey to the tip of Cape Henlopen in Delaware, near the pilot boarding area. The pilot station is located in Lewes, Delaware and a pilot watch tower is present on Cape Henlopen. Relevant NOAA nautical charts include chart numbers 12304, 12311, and 12312.

A summary of the existing channel ranges between the Atlantic Ocean and the Port of Wilmington and project area is provided in Table 4.3.7-1. Beginning at the Delaware Capes, the channel is 1,000 feet wide and accommodates two-way traffic. In an inbound direction through the next

[5] http://www.philaport.com/wp-content/uploads/2017/10/PhilaPort-2017-Brochure-Web.pdf

[6] http://southjerseyport.com/facilities/

[7] https://www.portofwilmington.com/facilities-map.html

[8] http://phl.ports.moranshipping.com/Lists/Documents/Port%20of%20philadelphia%20Information.pdf

several ranges, the channel remains at 1,000 feet wide and narrows from 1,000 feet to 800 feet through the Liston-Above Ship John Light range. The entrance to the Christina River and the Port of Wilmington is located approximately three miles from the southern end of the Cherry Island range. The project area is located at the southern end of the Bellevue range, where it intersects the Cherry Island range.

Along the Christina River at the upriver end of the Port of Wilmington is a turning basin 2,050 feet long and 640 feet wide and 38 feet deep. A 45-foot deep vessel turning basin is being designed into the access channel for the project area. The turning basin will extend into the existing navigation channel.

Table 4.3.7.1-1 Summary of Channel Ranges

Range Name	Begin Mile	End Mile	Approximate Length (mi.)	Channel Width (ft.)	Depth (ft.)
Delaware River and Bay					
Brandywine	0	10.94	10.94	1000	45
Miah Maull	10.94	17.96	7.02	1000	45
Cross Ledge	17.96	21.35	3.39	1000	45
Liston (Below Ship John Light)	21.35	26.92	5.57	1000	45
Liston (Above Ship John Light)	26.92	39.34	12.42	1000 - 800	45
Baker	39.34	40.99	1.65	800	45
Reedy Island	40.99	45.27	4.28	800	45
New Castle	45.27	49.67	4.34	800	45
Bulkhead Bar	49.67	50.23	0.56	1600	45
Deepwater Point	50.23	53.99	3.76	800	45
Cherry Island	53.99	58.32	4.33	800	45
Bellevue	58.32	61.37	3.05	800	45
Christina River					
Delaware River to Upper End of the Turning Basin	0	0.7	0.7	500 - 340	38
Thence to Lobdell Canal	0.7	1.03	0.33	400	35

4.3.7.2 Channel Maintenance

Navigation improvements to the Delaware River were first authorized by Congress in 1836. The deep-draft navigation projects in the estuary include:

- Delaware River, Philadelphia, Pennsylvania to Trenton, New Jersey;
- Delaware River, Philadelphia to the Sea;
- Delaware River at Camden, New Jersey;
- Schuylkill River, Philadelphia; and
- Wilmington Harbor, Christina River, Delaware.

Maintaining the federal navigation channels, anchorages, and turning basins is the responsibility of the USACE. Maintenance dredging removes accumulated sediment that reduces available depth and hinders navigation within authorized projects.

4.3.7.3 Dredged Material Placement Areas

Locally generated dredged materials from the federally maintained portions of the Christina and Delaware Rivers are placed at several local CDF: Wilmington Harbor South, Pedricktown North, Pedricktown South, Oldmans, and Killcohook Cells 1, 2, or 3. (Figure 4.3.7.3-1).

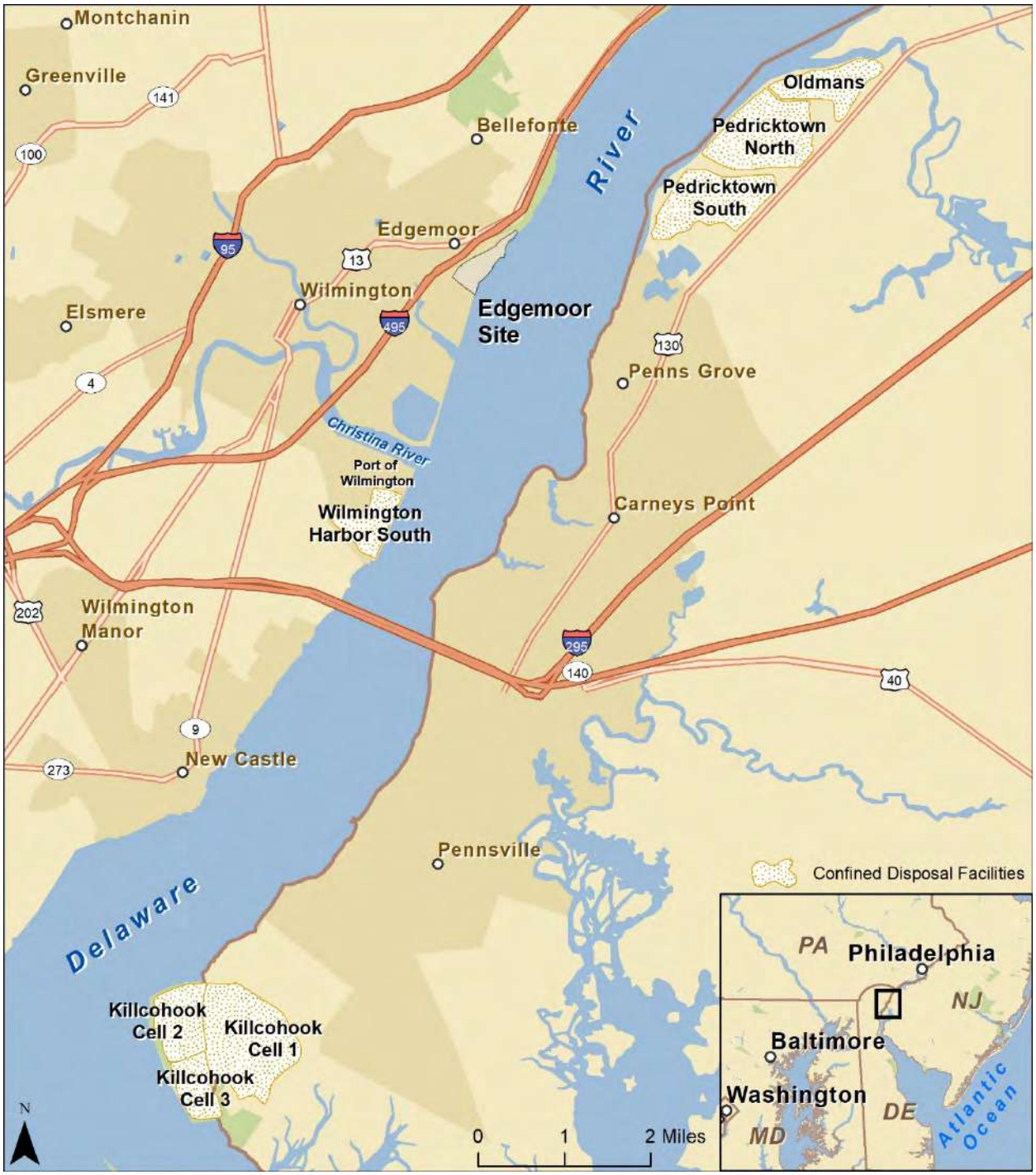


Figure 4.3.7.3-1 USACE Confined Disposal Facilities Near the Edgemoor Site

4.3.8 Hazardous, Toxic and Radioactive Waste

Environmental conditions on the Edgemoor property were assessed and addressed by E.I. DuPont de Nemours (DuPont) and its successor The Chemours Company FC, LLC (Chemours) as part of the closure process prescribed by the Resource Conservation and Recovery Act (RCRA). Additional due diligence assessment of the upland property was performed in 2016 prior to the purchase of the property by the State of Delaware through DSPC. Copies of the Phase I Environmental Site Assessment is provided in Appendix 8 with other documents summarized below.

4.3.8.1 RCRA Closure

DuPont submitted an application for a RCRA Closure Permit to the DNREC. DuPont, Chemours, and their respective consultants developed plans for the investigation of site conditions associated with DuPont's operations on the upland property at locations identified as Solid Waste Management Units (SWMUs). These plans and the ensuing reports were submitted to DNREC for review and approval. The following provides a brief listing of the RCRA reports prepared for the former Chemours Edge Moor Plant:

- April 2009 Phase I RCRA Facility Investigation (Phase I RFI);
- March 2010 Post-Closure Care Plan – Addendum 1, Revised Monitoring and Maintenance Plan, Closed Surface Impoundments (PCCP);
- July 2010 Investigation Summary Letter Report, Holland Mulch Site (Baseline Investigation);
- March 2011 Phase II RCRA Facility Investigation (Phase II RFI);
- June 2013 Risk Analysis (RA); and
- August 2013 Corrective Measures Study Report (CMS).

Holland Mulch Site is referred to as the "2-Acre Outparcel," which is located along the western side of Hay Road and is not connected directly to the larger 112-acre former Chemours Edge Moor Facility.

During review of the reports identified above, the following SWMUs were identified:

SWMU-1:	Wastewater Treatment System
SWMU-2:	Pond E (Effluent Holding Basin)
SWMU-3:	Waste Mixing Area and Split Box
SWMU-4:	Former Trash Landfill/Old Landfill
SWMU-5:	Waste Settling Area
SWMU-6:	Internally Partitioned Ponds (A, B, C, and D)
SWMU-7A:	Building 23 PCB Storage Area

SWMU-7B: Kiln 2 PCB Storage Area

SWMU-8: Former Less Than 90-Day Hazardous Waste Accumulation Area

SWMU-9: Hazardous Waste Accumulation Pad

SWMU-10: Eastern Shore Area

SWMU-11: Drainage Culvert

SWMU-12: Emergency Overflow Basin

SWMU-13: Process Sewers

SWMU-14: Underground Pipelines

SWMU-15: Unpaved Ditch

SWMU-16: Scrap Metal Area

SWMU-17: Truck Refueling Area (2 USTs)

SWMU-17A: Underground Storage Tank #s 1, 2, 3, 4, B, C, F, & G

SWMU-17B: Underground Storage Tank #s 6, 7, 8, 9, A, I, J, K and L

SWMU-18: Iron-Rich Staging Area

SWMU-19 Iron-Rich Filter Press Building

SWMU-20: Former Oil Aboveground Storage Tanks

SWMU-21: Copper Vanadium Sludge Pad

SWMU-22: Ferric Chloride Tank Truck Loading Spot

SWMU-23: Recovered Ore Storage Area

SWMU-24: Oil-Water Separator/Skimmer

SWMU-25: Ferric Chloride Railcar Loading Area

SWMU-26: TiO_2 Railcar Loading Area

SWMU-27: Fuel Oil Stained Soil

SWMU-28: Caustic Storage Area

SWMU-29: Southland Tank (added at the conclusion of Phase I RFI)

Site-wide Groundwater

As defined by RCRA, the SWMUs are discernable units at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. Such units include any area at a facility at which solid wastes have been routinely and systematically released.

DNREC determined that the following SWMUs required no further action: 7A, 7B, 9, 10, 11, 12, 14, 19, 22, and 26. This determination was based on the definition of a SMWU and review of the historical records of those areas.

April 2009 Phase I RCRA Facility Investigation (Phase I RFI)

Sixteen SWMUs were addressed during the Phase I RFI. Based on analytical results of soil sampling during the Phase I RFI, the subcontractor requested no further action for SWMUs 8, 15, 21, and 24. Additionally, no further investigation was requested for four SWMUs 16, 18, 27, and 28. Eleven SWMUs were recommended for further investigation in the Phase II RFI.

Groundwater was evaluated on a site-wide basis rather than by SWMU. Thirty-two monitoring wells were installed on the 112-acre property. Twenty-two monitoring wells were installed with eleven wells intercepting shallow water-bearing soils and eleven wells intercepting the deep water-bearing soils. Ten monitoring wells are installed around the surface impoundments (SWMU 6). Groundwater analytical results were inconclusive and further investigation was recommended in the Phase II RFI, based on a SWMU-specific basis.

March 2011 Phase II RCRA Facility Investigation (Phase II RFI)

Nine SWMUs were investigated during the Phase II RFI. Semi-volatile organic compounds and metals in soil samples were reported as the primary substances of concern. Additionally, shallow soil samples were collected and field-tested for pH from SWMU-29. The findings resulted in requests for no further action for three SWMUs: 17B, 28, and 29.

Groundwater monitoring wells on the property were sampled for a second time during the Phase II RFI. Soil boring logs for the installed groundwater monitoring wells indicated that a clay layer is present below the ground surface, no distinct aquifer was identified, and encountered water-bearing soil units had low yields and were not interconnected. The groundwater analytical results from collected samples reported metals as the primary substances of concern. No further investigation was recommended for groundwater. Groundwater analytical results were to be assessed in the Risk Analysis (RA).

June 2013 Risk Analysis (RA)

Following completion of the Phase I and Phase II RFIs, a risk analysis was performed on the SWMUs identified as needing “no further investigation.” Those SWMU’s were identified as 1 & 3, 4, 5, 13A, 13B, 16, 17B (tanks 9 & A), 18, 20, 23, 25, and 27. The risk analysis was performed to evaluate the human health and ecological impacts of the SWMUs. The exposure scenarios considered were industrial workers, construction workers, and off-site recreational users.

The human health risk analysis reported that with the exception of SWMU 1&3, the total excess cancer and non-cancer risks for industrial and construction worker scenarios were below the target cancer risk. The cancer risk for SWMU 1&3's did not meet target cancer risk due to the concentration of benzo(a)pyrene in soil. The results of the RA indicated that eleven of the SWMUs reviewed had acceptable risk with respect to human health based on the exposure scenarios assessed.

August 2013 Corrective Measures Study Report (CMS)

The 2013 CMS was developed to evaluate the appropriate remedial actions for the SWMUs investigated. The CMS identified 12 SWMUs (1 & 3, 4, 5, 13A, 13B, 16, 17B [tanks 9 & A], 18, 20, 23, 25, and 27) requiring evaluation by the RA, which was discussed in the CMS. The other SWMUs were not evaluated in the CMS due to:

- Being designated as requiring "no further action" (SWMU 15, 17A, 17B[tanks 6, 7, 8, I, J, K & L], 21, 24, 28, and 29), or
- Not being included in the Corrective Action Order (SWMU 2, 6, 7A, 7B, 9, 10, 11, 12, 14, 17, 19, 22, and 26).

Although SWMU 8 received "no further action," specific regulatory closure was required. Therefore, it was included in the CMS report.

Based on the RA results, active remedial action was not recommended for the 12 SWMUs addressed in the CMS. Instead, institutional actions including filing an environmental covenant with the property deed to ensure the site use remains non-residential and preparing a contaminated materials management plan was proposed to ensure that site soils are handled properly.

Groundwater impact was observed on the former Chemours Edge Moor Facility, but the groundwater impact appears to be limited in extent. Reportedly, impacted groundwater had not migrated off-site, and had no current exposure pathway to construction or industrial workers existed.

The SWMU-2 was the effluent holding basin for the wastewater treatment system on-site. It was investigated and closed as a last step in the demolition and decommissioning of the processing systems of the former plant.

March 2010 Post-Closure Care Plan (PCCP) – Addendum 1, Revised Monitoring and Maintenance Plan, Closed Surface Impoundments

SWMU 6 has been closed, but requires long-term semi-annual groundwater monitoring and quarterly maintenance inspections of the engineered cap system. The PCCP for SWMU 6 discusses maintenance and monitoring requirements for the closed ponds that previously handled wastes from chloride and sulfur processes. The PCCP describes the monitoring well network, analyses, sampling methods, and schedule for monitoring. A

monitoring network of ten wells was installed for long-term monitoring of SWMU 6. Analyses of semi-annual groundwater samples include antimony, arsenic, manganese, thallium, hexachlorobenzene, hexachlorobutidiene, octochlorostyrene, and pentachlorobenzene. Collection of groundwater samples for analysis of PCBs by EPA SW-846 Method 1668 as well as dioxins and furans by EPA SW-846 Method 1613 is only required for two monitoring wells and only once annually. Monitoring and annual reporting of site conditions in accordance with the approved PCCP is ongoing. Caps will need to remain in place and monitoring will need to continue during and after the development of the former Chemours Edge Moor Facility as a port.

4.3.8.2 Other Local Sites

Several sites in northern New Castle County proximate to the project site may have contributed to historic water quality conditions and may have affected sediment quality in the project area. Immediately upriver of the project site is Fox Point State Park. The park formerly was a landfill used by the railroads (and others) to dispose of materials from their operations. Conditions at that site were assessed and remedied by the State of Delaware through its Brownfields Program under the auspices of HSCA. The remedy included the installation of clean, stabilized cover that should minimize the potential for erosion of substances of concern from the site and transportation of those substances to the Delaware River. Similarly the remedial system should minimize the potential for substances of concern to enter the Delaware River by way of groundwater flow.

The former EVRAZ Steel Mill site is located further upriver. Site conditions have been assessed or are being assessed under the State of Delaware Voluntary Cleanup Program through an agreement between the site owner/developer and the State of Delaware. Plans for remedial action are being developed, have been approved, or in some cases are being implemented currently. These actions, where applicable, are intended to reduce the migration or discharge of hazardous substances and PCBs to the Delaware River.

The former General Chemical facility is located upriver from the former EVRAZ facility. The former General Chemical facility is being addressed by USEPA under RCRA. Remedial Actions being implemented are intended to minimize the migration and discharge of hazardous substances from the site to the Delaware River. Remedial Actions are being planned to include the removal or entombment of river sediments adjacent to a portion of the former General Chemical facility.

Downriver from the project site, and proximate to it, are Fox Point Industrial Park, Hay Road 5-8 Power Complex, former DuPont iron rich waste storage area, City of Wilmington wastewater treatment plant, and Cherry Island Landfill, that may have contributed hazardous substances to the Delaware River. Stormwater is discharged to the Delaware River from Fox Point Industrial Park and Hay Road 5-8 Power Complex. Both of those

sites are located adjacent to the project site. The discharges from those sites are permitted and monitored in accordance with permit requirements. The Hay Road 5-8 Power Complex recently was converted from being coal and petroleum fired to being all gas fired. At the time of conversion, the plant was also modified to operate in combined cycle, which significantly reduced the plant demand for cooling water. The conversion from coal significantly reduced the potential for substances of concern such as metals and PAH compounds from being introduced to the Delaware River.

The DuPont iron rich waste storage site was addressed under RCRA. The site is located between the Hay Road 5-8 Power Complex and the City of Wilmington wastewater treatment plant. The waste piles at that location were capped. The site is being monitored by Chemours and the results are reported to DNREC. Future migration of substances of concern from the waste piles by stormwater runoff or groundwater to the Delaware River is unlikely, based on this information.

The City of Wilmington discharges treated combined wastewater (sanitary sewage and stormwater) to the Delaware River. The discharge is permitted and monitored. Monitoring results are reported in accordance with permit requirements. The discharge from the wastewater treatment plant would be unlikely to significantly affect the concentration of substances of environmental concern in the Delaware River sediments, provided that it continues to operate in accordance with the permit limitations and those permit limitations reflect the Total Daily Discharge Limits (TMDL) that have been established for the Delaware River.

Cherry Island Landfill is an active solid waste storage facility operated by the Delaware Solid Waste Administration (DSWA). The landfill was developed with a leachate collection system and has a groundwater monitoring network. The landfill has a perimeter stormwater management system that impedes a direct discharge of stormwater from the site to the Delaware River. Wastes deposited at the landfill receive daily cover and more permanent landfill covers are constructed on the landfill side slopes as the landfill progresses vertically. As long as the landfill continues to be operated and maintained in accordance with the State of Delaware issued operating permit, it would be unlikely for the landfill to contribute hazardous substances to the Delaware River in amounts that would significantly affect the quality of sediments.

4.3.9 Air Quality

The proposed construction of a new container terminal access channel, berth and wharf at Edgemoor, Delaware, will require the use of commercial marine vessels and land-based equipment that generate air emissions. Because the project requires federal Clean Water Act and Rivers and Harbors Act permits, the project must comply with State of Delaware Implementation Plans for compliance with the Clean Air Act (42 U.S.C. 7401et seq.) NEPA also requires that the project applicant assess

temporary construction and transportation related air emissions and the effect of those emissions on air quality.

To comply, the applicant has estimated Criteria Air Pollutants (CAPs) emissions from the machinery that might be used for construction and that might be used by construction workers (vehicles) commuting to the project site, and compared such emissions to quantities allocated (budgeted) for similar activities in the federally-approved 2014 National Emissions Inventory (NEI) and to threshold values established per 7 DE Admin. Code 1132, paragraph 3.2.1 (rates applicable to marginal ozone nonattainment area). In consultation, DNREC recommended using the 2014 NEI budgets for the comparative purposes of the conformity assessment. CAPs include nitrogen dioxide (NO_2), sulfur dioxide (SO_2) carbon monoxide (CO), ground-level ozone (O_3), particulate matter (PM) and lead. Ground-level ozone concentrations commonly are linked to emissions of nitrogen oxides (NOx) and volatile organic compounds (VOC) and regulations focus on the emissions of those substances as a means of controlling ozone concentrations. Construction related emission estimations are detailed in Appendix 24.

The construction emission estimates for this project were calculated using the following equipment categories: commercial marine, non-road construction equipment, and on-road vehicles. The dredging and wharf construction work were included in the commercial marine category and are expected to require three years to complete, due to limitations that will be placed in the federal permit to avoid in-water work (dredging and pile driving) during the annual anadromous fish migration and spawning season (March through July) and the capacity of the dredge storage facility that will be used to contain, decant and dry dredge slurry. Dredging during the first year of construction is anticipated to be limited to approximately 90 days. The duration of dredging in the second and third years are anticipated to be 75 days and 60 days, respectively.

The initial, conservative assessment scenario assumed that the commercial marine category equipment used would be powered by Tier 0 (pre-2000) engines, due to the longevity of marine vessels, the perceived availability of marine equipment powered by newer Tier II engines, and the limited use of ancillary equipment when compared to land-based construction equipment. Non-road construction equipment (land-based) was assumed to be equipped with newer engines designed to meet Tier III exhaust emission standards, reflecting engines built after the mid-2000s. Emissions from heavy duty on road vehicles (dump trucks) were estimated assuming that Tier II diesel engines were in use. Emissions from construction worker vehicles were estimated based on gasoline powered engines in light trucks. In this scenario NO_x emissions would exceed the *de minimis* marginal ozone nonattainment area threshold of 100 tons per year (TPY). However, when compared to the State of Delaware NO_x emission budget of 2014 NEI, total first year NO_x emissions of commercial marine sources would only represent approximately 3.4 percent of the budget established by the State of Delaware for marine emission sources category of emissions. Further, the project construction emissions in total would comprise 0.78 percent of the budget

established for transportation sources within the State of Delaware. Subsequent year construction related emissions are anticipated to be lower than those of the first year, and would represent smaller portions of the marine and overall transportation budgets.

A second assessment scenario, designed to explore a means of minimizing emissions, was performed and assumed that commercial marine engines meeting Tier II standards (constructed post 2006) would be utilized, while the non-road construction engines would continue to meet Tier III specifications. Emissions from heavy duty on road vehicles (dump trucks) were estimated assuming that Tier II diesel engines were in use. Emissions from construction worker vehicles were estimated based on gasoline powered engines in light trucks. Under these circumstances, the analysis indicated that none of the *de minimis* thresholds for CAPs would be exceeded. The use of Tier II and III engines as estimates are identified as best practices to minimize emissions. Used in conjunction with an anti-idling provision in contract documents, these practices would help to minimize criteria emissions to air during project construction.

Both analyses suggest that the project conforms to State of Delaware and federal requirements. In the scenario where commercial marine engines are Tier 0, NO_x emissions represent a very small portion of the State NO_x budget for transportation related NO_x emissions and are not anticipated to cause or contribute significantly to ozone concentrations in excess of the National Ambient Air Quality Standards (NAAQS); increase the frequency or severity of ozone concentrations exceeding NAAQS; or delay timely attainment of the ozone NAAQS, interim emission reductions, or other milestones. In the second scenario, where best practices are utilized, NO_x emissions do not exceed *de minimis* thresholds and no further mitigation would be required. Contract bidding documents for the project will encourage the provision and the use of Tier II engines in marine equipment, Tier III engines in land-based construction equipment, and Tier II engines in heavy duty trucks used to haul fill materials. Contract specifications will contain an anti-idling provision.

4.3.10 Noise

In the human environment, noise is characterized as unwanted or excessive sound levels that disrupts or distracts humans at excessive intensities. The berth and port construction is expected to generate noise which will contribute to the sound environment of the area nearby the project site. The direct and indirect impacts of the generated noise on the surrounding environment is analyzed in this section of the EA. This section of the EA aims to analyze the impact of noise generated from construction activities to sensitive human receptors.

More broadly, the environment subject to noise impact includes the estuary environmental (maritime noise). The increased impacts from construction and operations on the estuary environment are anticipated to be insignificant and are more completely addressed in the BA and in the Appendix 13. Therefore, this section of the EA offers a brief summary of the assessment of noise impacts to the estuary that

may result from the project, but focuses on the impacts of generated noise on human receptors.

Sound intensity is measured in decibels (dB) and environmental sound levels are typically expressed in terms of time-weighted averages. The average sound levels can then be expressed over a continuous sound level. To quantify the noise generation and analyze the effect on human receptors, a weighting is applied to the sound level known as "A-weighting". Sound is measured across a spectrum of frequencies and the "A-weighting" is applied to individual decibel values of each frequency interval. The logarithmic sum of A-weighted decibel values is expressed as dBA.

Noise-sensitive receptors are humans that may be disrupted from normal activity due to excessive noise levels. Noise-sensitive land uses nearby the project area include residential, medical, educational, religious, and recreational facilities. New Castle County has a noise ordinance in place that regulates the allowable noise levels based on land zoning. Residential areas are considered Class A receptors, businesses and commercial areas are Class B receptors, and industrial land use is considered Class C. The maximum noise level that a Class C emitter can generate as measured at the property line of a Class A or B receptor is 65 dBA during the daytime and 55 dBA during the nighttime. The project actions will be required to comply with these regulatory levels.

Maritime noise generated as a result of construction and operation of the port includes pile driving and underwater noise from shoaling prevention fans and ships. The noise generated by pile driving will be minimized by using a "soft" start (i.e., vibration) method and by the placement of cushioned pads on the pile heads. In addition, it is expected that a moratorium on pile driving during the spring spawning season (typically March 1st – June 30th) will be issued for the project as to minimize the impact on migratory fish species. The effects of pile driving on ESA-listed species, specifically sturgeon, is briefly discussed in section 3.2.3 of the EATD and in greater detail in the BA included in Appendix 13. Based on a 2012 underwater noise survey intended to compare noise generated by shoaling prevention fan operation to ambient noise conditions at the mouth of the Christina river (adjacent to the Port of Wilmington), the results indicated that the sound dissipates quickly with distance and would be relatively undetectable at a distance of 1,800 feet. A small increase in the number of vessels traversing the federal navigational channel as a result of the new port facility is predicted to occur. The increase in underwater noise generated from ship traffic will be an insignificant change, given that the Delaware River is frequently traversed by large commercial vessels.

The following table summarizes the closest noise-sensitive human receptors nearby the project area.

Table 4.3.8.2-1 Noise-sensitive Receptor Locations

	Residential	*School*	*Health Care*	*Religious*	*Recreational*
Name	Residence	Fiske Academy at Camelot	WHW Treatment Services	Anglican Church of the Pentecost	Fox Point State Park
Street Address	E Salisbury Dr.	1413 Lore Ave	6 Denny Rd #106	4825 Governor Printz Blvd.	Lighthouse Rd
Approx. Distance from Project Area (ft.)	2,800	3,050	4,250	2,950	3,500
Approx. Distance from Project Area (mi.)	0.53	0.58	0.80	0.56	0.66

The distances were determined using the closest approximate distance from the project area to each receptor. The location of the noise source will vary throughout the construction of the berth. However, the distances used in calculating noise levels represent the maximum noise levels that each receptor may be exposed to throughout the lifetime of the project. The closest residence to the project area is located approximately 0.53 miles northwest of the project area on East Salisbury Drive. The closest school is the Fiske Academy at Camelot which is located approximately 0.58 miles north of the project area. WHW Treatment Services is the closest medical facility and is located approximately 0.80 miles northwest of the project area. The closest religious facility to the project area is the Anglican Church of the Pentecost located approximately 0.56 miles northwest on the opposite side of I-495 and U.S. Highway 13. The closest recreational facility is the Fox Point State Park which is located north of the project area along the Delaware River. The distance from the northwest end of the project area to the pavilion and playground area at Fox Point State Park was used in the calculation of sound levels, based on the premise that most recreational users of the park likely would congregate there and their activities potentially would be most susceptible to the noise generated at the project area.

The proposed project area is located in an area of heavy industrial and commercial use, with those facilities being located along the Delaware River, U.S. Highway 13 and I-495. The Northeast Corridor Railroad as well as I-495 and U.S. Highway 13 are situated in-between the project area and the nearby noise-sensitive receptors, with the exception of Fox Point State Park. The existing sound environment in the vicinity of the project area currently is affected by transportation noise from roadways, the river, the railroad, as well as from the nearby industrial and commercial facilities.

According to the United States Department of Transportation, Federal Highway Administration, the average sound level from vehicular traffic is between 70 and 80 dBA measured at 50 feet from the highway (U.S. DOT, Federal Highway Administration). For the purposes of calculating the ambient sound level, an average of 75 dBA from traffic is assumed. The typical sound level of a freight train measured at 50 feet from the tracks is 80 dBA (IAC Acoustics). The noise generated

from roadway traffic and trains is assumed to propagate in a cylindrical pattern. Therefore, the standard sound level propagation equation for a line source is used. The following table summarizes the closest distances from U.S. Highway 13 (from I-495 for Recreational) and the railroad to each sensitive receiver located in the vicinity of the project area.

Table 4.3.8.2-2 Noise-sensitive Receptor Distances from Roadway and Railroad

	Residential	***School***	***Health Care***	***Religious***	***Recreational***
Name	Residence	Fiske Academy at Camelot	WHW Treatment Services	Anglican Church of the Pentecost	Fox Point State Park
Street Address	E Salisbury Dr.	1413 Lore Ave	6 Denny Rd #106	4825 Governor Printz Blvd	Lighthouse Rd
Approx. Distance from U.S. Highway 13 / I-495 (ft.)	200	225	465	65	650
Approx. Distance from Railroad (ft.)	665	665	600	420	500

To calculate the existing sound environment at the locations of the nearby sensitive receptors, the following calculations of traffic noise and train noise were made.

From the Inverse Square Law: $L = L_{max} - 10 * \text{Log}\,(D/D_0)$ [line source]

$$\mathbf{L_{ambient} = 10*Log\,(\sum_{i=1}^{n} 10^{(\frac{Li}{10})})}$$

L = The A-weighted ambient sound level measured
L_{max} at 50 feet = The highest A-weighted sound level generated from roadway and railroad traffic
$L_{ambient}$ = The combined A-weighted ambient sound level
D = The distance from the noise source to the receptor
D_0 = The reference measurement distance (50 feet in this case)

Table 4.3.8.2-3 Ambient Sound Level Calculations

Noise-Sensitive Receptor	**Noise Source**	**L_{max} (dBA)**	**D (ft)**	**D0(ft)**	**L (dBA)**	**$L_{ambient}$ (dBA)**
Residental	U.S. Highway 13	75	200	50	69	72
	Railroad	80	665	50	69	
School	U.S. Highway 13	75	225	50	68	72
	Railroad	80	665	50	69	
Health Care	U.S. Highway 13	75	465	50	65	71
	Railroad	80	600	50	69	
Religious	U.S. Highway 13	75	65	50	74	76
	Railroad	80	420	50	71	
Recreational	I-495	75	650	50	64	72
	Railroad	80	340	50	72	

The ambient sound environment typically experienced at the closest residence is 72 dBA. The closest school experiences an ambient sound level of 72 dBA. The closest healthcare facility experiences an ambient sound level of 71 dBA. The closest religious establishment, which is located along U.S. Highway 13, experiences the loudest ambient sound level at 76 dBA compared to the other noise-sensitive receptors. Visitors of Fox Point State Park at the central pavilion and parking area experience an ambient sound level of 72 dBA.

4.3.10.1 Direct Impacts to Noise

To determine the maximum noise generation due to project construction activities, the highest intensity sound was chosen for the calculations. According to the State of Washington, Biological Assessment Preparation Manual, the average maximum noise level of an impact pile driver is 110 dBA measured 50 feet away from the source. The noise generated from the impact pile driver will be the loudest source of construction noise during the construction of the wharf. The piles will be installed from a barge using a combination of vibration and cushioned impact driving. A vibratory hammer will be used to drive the piles to refusal and then a cushioned impact hammer will be used to drive the piles to their final design depth. By using the cushioning pads, the emitted sound from the impact pile driver is reduced. Using noise control techniques to reduce the sound emitted from the pile driver can typically reduce the noise levels by approximately 10 dB (USEPA Office of Noise Abatement and Control). Therefore, a maximum noise level of 100 dBA will be used for the purposes of this noise impacts analysis. This maximum noise level is used to be conservative with the noise level calculations, given that the dredge machine, ships, and other construction equipment are expected to have noise levels less than 100 dBA. Using these assumptions and the distances to the nearest sensitive receptors, the following calculations were made to determine the maximum sound levels (L_{max}) that might be experienced by each sensitive receptor:

L_{max} = Construction L_{max} at 50 feet – 20 * Log (D/D_0) [point source]

L_{max} = Highest A-weighted sound level measured
Construction L_{max} at 50 feet = The highest A-weighted sound level generated from the cushioned impact pile driver at the reference measurement distance (standard is 50 feet)
D = The distance from the noise source to the receptor
D_0 = The reference measurement distance (50 feet in this case)

Table 4.3.10.1-4 Comparison of Maximum Pile Driver Noise and Ambient Sound Level

Noise-Sensitive Receptor	Construction Lmax at 50 ft (dBA)	D (ft)	D0(ft)	L_{max} (dBA)	$L_{ambient}$ (dBA)
Residental	100	2800	50	65	72
School	100	3050	50	64	72
Health Care	100	4250	50	61	71
Religious	100	2,950	50	65	76
Recreational	100	3,500	50	63	72

The maximum noise level that the closest resident may experience from pile driving is calculated to be 65 dBA. The calculated maximum noise level at the closest school 64 dBA. The calculated maximum noise level at the closest health care facility is 61 dBA. The closest religious facility may experience a maximum noise level of 65 dBA and recreational users of Fox Point State Park may experience a maximum noise level of 63 dBA, based on the calculations. Therefore, the maximum noise levels generated from the project construction activities are anticipated to be less than the ambient sound environment in the vicinity of the sensitive receptors.

For comparative purposes, the sound level of a typical conversation between two people 3 feet apart ranges between 60 and 65 dBA (U.S. FHWA). The maximum sound levels from project activities are anticipated to be within this comparative range. The difference between the L_{max} and conversation sound level is likely to be discernable to human receptors. Additionally, average sound levels from dredging and construction activities over the life of the project are expected to be less than the calculated L_{max}.

The New Castle County noise ordinance for daytime hours has a maximum noise level of 65 dBA, as measured at a receiving Class A and Class B receptor (residential and commercial), between the hours of 7 A.M. and 10 P.M. Based on the above noise level estimates, the maximum noise levels generated from the project actions are anticipated to comply with the New Castle County noise ordinance.

Given the results of these calculations and comparisons to ambient and ordinance required conditions, noise monitoring is recommended. Noise levels should be measured and recorded prior to the start of construction to capture ambient conditions and during the initial phase of construction while pile driving and other noise producing activities are in progress. If construction noise levels do in fact exceed the New Castle County noise ordinance, additional noise reduction measures will need to be implemented, such as additional pile driver muffling or sound barriers.

It is possible that the dredging and pile driving actions will operate 24-hours a day for limited periods of time given the limited time frame for the proposed actions. For this reason, the noise levels generated from the project actions need to be assessed for compliance with both daytime and nighttime regulatory levels for New Castle County. The New Castle County noise ordinance for nighttime hours has a maximum noise level of 55 dBA, as measured at a receiving Class A and B receptor (residential and commercial), between the hours of 10 P.M. and 7 A.M. The estimated maximum sound levels at the closest Class A and B receptors are exceeding 55 dBA by between 7 and 11 dBA, with the largest exceedance occurring at the closest residence and religious facility. To comply with the New Castle County Noise Ordinance during nighttime operations, the noise calculations indicate that pile driving should be curtailed or additional noise control measures should be implemented to decrease the maximum noise emissions to a sound level below 55 dBA.

If nighttime pile driving operations are pursued, noise monitoring should be performed at the start of construction to check the accuracy of the calculated maximum noise levels. A potential noise control measure that might be employed to support night operations would be a sound-absorbent acoustic barrier constructed between the project area and the nearby Class A and Class B receptors. Similarly, acoustic shielding might potentially be constructed around the pile driver.

The noise disturbance from the dredging and the wharf construction are anticipated to be minimal and temporary. Dredging and wharf construction are only temporary impacts to the environment and noise generated is not anticipated to be harmful to nearby sensitive receptors and consistent with the ambient sound environment of the area. Noise from construction and dredging activities is expected to be in compliance with the New Castle County Noise Ordinance governing the control of noise, the State of Delaware construction noise regulations, and all other applicable USEPA construction noise standards.

4.3.10.2 Indirect Impacts to Noise

Noise generated from port operation must also meet New Castle County's regulation governing the control of noise. According to a July 2011 report titled, "Study of the Noise Pollution at Container Terminals and The Surroundings," the maximum noise emitted from the Port of Los Angeles, the largest container port in the US, was measured at approximately 76 dBA, with the highest concentrations of noise being emitted from the truck traffic. The new port at Edgemoor is anticipated to operate at a similar or lesser noise level.

Based on the study, the new port facility is anticipated to operate with noise levels below the Delaware Class C regulatory level of 85 dBA. The closest Class A receptor (residential) is approximately 1,300 feet northwest of the project area boundary. Based on the inverse square law, emitted noise at a maximum of 76 dBA at the property boundary will have an

estimated sound level of approximately 48 dBA at the closest Class A receptor 1,300 feet away. The estimated value is below New Castle County's regulatory sound level of 65 dBA between the hours of 7 A.M. and 10 P.M. as well as 55 dBA between 10 P.M. and 7 A.M.

The proposed port operation noise most likely will have minimal impact on nearby residents and visitors of Fox Point State Park because of the considerable distance between the project area and the nearest sensitive receptors, the effect of traffic noise generated by nearby highways contributing to the existing sound environment, and because the project site is located in an industrial zone. Heavy equipment such as rubber-tired gantries and cranes at the port will utilize electric motors and will generate minimal noise.

4.3.11 Cultural Resources

A Phase I survey was performed to search for potential submerged historical and cultural resources within the project area. The survey was performed by R. Christopher Goodwin & Associates, Inc. (RCG&A) in accordance with the requirements of Section 106 of the National Historic Preservation Act of 1966, as well as other applicable acts and regulations, during the summer of 2018. The survey was documented in a report titled, "Geophysical/Cultural Resource Survey Supporting the Edgemoor Container Port Project, Port of Wilmington, Delaware State Waters," dated May 3, 2019. A copy of the report is provided in Appendix 21.

The investigations performed by RCG&A resulted in approximately 130 acres surveyed. The investigation included research of literature and use of remote sensing devices within the Area of Potential Effect (APE). Review of remote sensing data identified 19 side scan sonar contacts and 12 magnetic anomalies. None of the identified targets or anomalies were indicative of submerged cultural resources, resulting in a recommendation to the State Historic Preservation Office (SHPO) for a determination of "No historic properties affected."

A copy of the draft report, dated March 27, 2019, was submitted to SHPO for review and concurrence. In a letter dated April 25, 2019, SHPO responded that they concurred that the proposed project would result in "No Historic Properties Affected." A copy of the letter is provided in Appendix 22.

In their letter, SHPO suggested that the draft report be revised to reflect the style guidelines of *American Antiquity* and references for the archeological survey guidelines be updated to reflect the guidelines published in 2015. SHPO offered a preference for Edgemoor to be one word unless copying historical nomenclature, as well as a few other minor editorial comments. In response, RCG&A revised their report and issued the final version found in Appendix 21.

4.3.12 Safety and Security

There are no anticipated impacts to national security from the proposed dredging of the project area or construction of the wharf. Dredging operations and wharf construction will be performed in compliance with Occupational Safety and Health

Administration (OSHA) safety regulations to protect workers and the public. Responsible parties will use open communication and comply with safety regulations during port construction, maintenance dredging, and operation of the port facilities to support the safety and wellbeing of workers and the public.

Domestic and international security at U.S. Ports has increased over the past decades and is considered paramount to our national security. Currently, the Port of Wilmington follows stringent regulations to ensure the safety and security of domestic and international commerce and to protect U.S. citizens from threats to national security. The new port at Edgemoor will follow federal, State of Delaware and local security requirements. The port owners and operators will uphold security standards and communicate with U.S. Customs and Border Protection, the U.S. Coast Guard, Homeland Security, and other law enforcement and regulatory agencies at the federal, State, and local levels.

To identify navigational issues and assess the suitability of the former Chemours Edge Moor Facility as a container port, a full-mission ship navigation study was conducted by the Marine Institute of Technology and Graduate Studies (MITAGS) during the period August 22 to 24, 2018. The study was performed in conjunction with the USACE and DSPC utilizing pilots from The Pilot's Association for the Bay and River Delaware in order to:

- Demonstrate that the port will have minimal adverse impact on vessels transiting inbound and outbound on the Delaware River;
- Validate that the turning basin is effective for the handling of containerships up to 9,300 TEUs on a routine basis under the existing river traffic operating conditions;
- Provide suggestions on ways to facilitate vessel movement in and out of the port; and,
- Provide preliminary feedback regarding the feasibility of a 12,000 TEU vessel to call on the port.

The simulated exercise considered bathymetry and environmental parameters including wind, currents, tides, waves as well as visibility and time of day. Pilot recommendations included deepening an area in the southern portion of the berth in order to provide additional maneuvering space as inbound vessels turn in the turning basin. The simulation results indicated that the proposed Edgemoor terminal would have minimal impact on ships as they transit the existing navigation channel in the River.

5.0 CUMULATIVE IMPACTS

This chapter addresses the cumulative impacts (effects) anticipated to result from the proposed action, including impacts that have already occurred or are expected to occur, and are reasonably foreseeable, in the project area due to development activities relevant to the impacts. A summary of the cumulative effects analysis is provided in the subsequent sections. The purpose of assessing cumulative impacts is to prevent, minimize, and mitigate the possible adverse impacts as a result of the proposed action.

5.1 Introduction

The President's Council on Environmental Quality (CEQ) regulations defines cumulative effects as:

> *"…the impact on the environment which result from the incremental impact of the action (project) when added to other past, present, and reasonably foreseeable future actions regardless of what agency (Federal or non-Federal) or person undertakes such actions. Cumulative impacts can result from individually minor but collectively significant actions taking place over a period of time"* (40 CFR 1508.7).

Direct and indirect cumulative effects can result from individually minor, but collectively significant actions taking place over a period of time. Direct effects are caused by the action and occur at the same time and place as the action. Indirect effects are caused by the action but are further removed in distance and/or time, and are reasonably foreseeable. The cumulative effects analysis considers the magnitude of the indirect and direct cumulative effect on the proposed resource health. Laws, regulations, policies, or other factors were evaluated in order to assess whether the resource trend, either a positive, neutral, or adverse cumulative impact, is likely to change in the foreseeable future.

For purposes of this environmental assessment (EA), cumulative impacts were discussed in further detail if the direct and indirect impacts have more than insignificant temporary adverse or positive impacts to the specific resource. In addition, the health of the resource was taken into consideration. A 'resource' for the purpose of Chapter 5 of this report refers to a subject, such as aquatic life, that could be impacted cumulatively by the proposed action. Health refers to the general overall condition or vitality of the resource and the trend of that condition.

The proposed project would have incremental direct and indirect cumulative effects on the Delaware River and New Castle County area in the context of other past, present, and reasonably foreseeable future impacts on the resource from unrelated activities. Cumulative effects may also occur when disturbances are within overlapping timeframes or locations.

5.2 Methodology

An adequate cumulative effects analysis involves the following four steps:

1. Identify the primary cumulative effects associated with the proposed action and define the assessment goals;

2. Establish the geographic scope for the analysis;

3. Establish the time frame for the analysis; and

4. Identify other actions affecting the resources, ecosystems, and human communities of concern.

Steps 1 through 4 are addressed in Section 5.3 including a summary of the direct and indirect effects, the effects carried forward in the cumulative impact analysis, the geographic scopes, the other actions affecting the resources, and the time frame during which the actions have been analyzed.

After addressing steps 1 through 4, the significance of each cumulative impact was evaluated in Section 5.4 using the following steps:

- Identify the important cause-and-effect relationships between human activities and resources, ecosystems, and human communities; and
- Determine the magnitude and significance of cumulative effects.
  Quantitative analysis was used in the cumulative impact analysis, if practical and reasonably available or estimable for the past, present, and reasonably foreseeable actions. Otherwise, the discussion of the magnitude and significance of the effects was qualitative. Qualitative information was acquired using knowledge of the scale of projects, resources, and impacting agents (i.e. air or water emitters, size of development, etc.) to provide perspective, background information, and context for the effects on the resources.

5.3 Cumulative effects scoping and summary of direct and indirect impacts

The first step in scoping cumulative effects involves identifying the significant cumulative effects associated with the proposed action and defining the assessment goals. This step includes defining the direct and the indirect effects of the proposed action, the resources that are affected by the proposed action, and the importance of each effect from a cumulative perspective. As a result, the analysis is focused on meaningful impacts relevant to the effects of the proposed action, and not on those effects that are irrelevant or inconsequential to decisions about the proposed action and alternatives. This section summarizes and discusses the direct and indirect effects associated with the proposed action as well as the geographic scope of the effects carried forward in the cumulative impact analysis.

Table 5.3-1 lists the resource areas examined, summarizes the direct and indirect impacts, and indicates if the resource was carried forward in the cumulative impact analysis. Generally, if a more-than-insubstantial temporary positive or adverse direct or indirect impact was identified, considering the status or health of the resource, then the resource discussion was carried forward to the cumulative impact analysis section.

Table 5.3-1 Summary of Cumulative Impacts

Current Status and/or Health of Resources	Direct Impacts	Indirect Impacts	Resource/Issue to be included in Cumulative Effects Analysis
PHYSICAL RESOURCES			
Topography, Soils, Geology, Bathymetry			
Dredging and related activities in the project area have been limited, historically, to the construction of the following: piers, water intake structures, wastewater outfall structures, shoreline bulkheads and retaining walls as well as maintenance of those structures. Additionally, a navigational range light was installed. The site was an industrial facility. The land surface was and generally is covered by pavements, building slabs, equipment slabs, capped solid waste management units and a wastewater lagoon. Relatively small portions of the site are covered by lawn or landscaping.	The proposed activity will dredge the berthing and access area to -45 feet mean lower low water (MLLW) to match the dredged depth of the federal navigation channel of the Delaware River. Changes to the topography and bathymetry from initial construction and maintenance are expected to be permanent impacts to the project area. The Biological Assessment (BA) and Essential Fish Habitat (EFH) Assessment address these situations and are provided in Appendices 13 and 11, respectively. The findings of those assessments are summarized in Section 4.2 of this report.	The Former Chemours Edge Moor Facility will be regraded and paved to support storage and movement of shipping containers. Railroad sidings and internal roads will be reconfigured to support shipping container movement. Adjacent land areas will be regraded and developed to support port operations.	No

Bathymetric surveys indicate that a subtidal flat extends water-ward from the low tide line to approximately 450 feet in the northern (upriver) portion of the site and approximately 550 feet in the southern portion of the site. This flat is characterized by gradually deepening water (slopes between 1.8% and 2%) to a depth of approximately -10 feet MLLW. Between the edge of the flat and the federal navigation channel, the side slope of the river bottom steepens, dropping approximately 35 feet across a horizontal distance of approximately 350 feet (10% slope) in the upriver portion of the site and 250 feet (14% slope) in the southern portion of the site. The project site is located in the turbidity maximum of the Delaware River Estuary. Deepening the river at this location might locally reduce tidal current velocities. The turbidity and reduced current velocities might yield a high sedimentation rate within the proposed berth and access channel.	Deepening the river is expected to slow floodtide and ebbtide velocities within the berth and access channel. Lower velocities are likely to promote settling of sediment that are similar to stratum A within the dredge area.	Shoaling prevention fans are being considered for the project design to reduce the sedimentation rate within the dredged berth area by keeping sediments from settling. The sediments are then passed to higher velocity currents in the access channel, where they are distributed along the river in a manner similar to current (non-dredged) conditions. The use of shoaling prevention fans is expected to minimize future maintenance dredging requirements. See Sheet 11 of the Permit Plans in Appendix 7 for a conceptual view of the shoaling prevention fans.	Yes
Site Hydrogeology			
Groundwater beneath the upland property adjacent to the project area is anticipated to flow east towards the Delaware River. Groundwater is located in isolated lenses within the general clayey matrix of site soils. As indicated by the Phase I RFI report, the Former Chemours Edge Moor Facility appears to have two permeable units separated by fine-grained material (predominantly red clay of the Cretaceous-age Potomac Formation). Fill material, designated as Zone A, is present under much of the Former Chemours Edge Moor Facility with varying thickness and grain size depending on the location. The Delaware River has tidal influence on groundwater elevations which is laterally consistent, lens to lens. A detailed discussion of site hydrogeology is provided in Section 4.1.4 of this report.	No significant direct impacts to site hydrogeology are anticipated to result from implementation of the project.	No significant indirect impacts to site hydrogeologic conditions are anticipated to result from implementation of the project.	No

Current Status and/or Health of Resources	Direct Impacts	Indirect Impacts	Resource/Issue to be included in Cumulative Effects Analysis
PHYSICAL RESOURCES			
Physical Oceanography			
The Delaware River extends through the proposed dredge area and is influenced tidally. Based on Marcus Hook, Pennsylvania tide gauge records (NOAA monitoring station 8540433), the normal tidal range at the site is approximately 5.6 feet. Assuming the historic rate of global mean sea level (GMSL) change is equal to the globally averaged rate of 0.00561 feet per year, the resulting estimated observed subsidence rate for the project area would be 0.00558 feet per year. Using this estimated local subsidence rate for the project area, changes in relative mean sea level in the project area over the 50-year period of analysis would be: • 0.83 feet using the historic rate of GMSL change, • 1.31 feet using the intermediate rate of accelerated GMSL change, and • 2.86 feet using the high or the accelerated rate of GMSL change.	No significant impacts to tidal water levels, or salinity are expected to result from dredging or wharf construction. Ebb and flood tide currents are anticipated to be slower within the project area after construction. This change will be limited to the project site, and there are no anticipated changes to ebb and flood tide magnitudes or currents outside the limits of the project area.	No significant indirect impacts to tides, water levels, or salinity are anticipated to result from implementation of the project. The forecast change in currents may increase sedimentation within the project site, which would necessitate maintenance dredging or the use of shoaling prevention fans and a corresponding increase in the demand for dredged material dewatering and storage, if shoaling prevention fans are not used.	No
Sediment and Water Quality			
The project area is located in Zone 5 of the Delaware River for which a Total Maximum Daily Load (TMDL) and Pollution Minimization Plans are in place for Polychlorinated Biphenyls (PCBs) along with fish consumption advisories for certain species of fish.	Discharge to the Delaware River waters from a confined disposal facility (CDF) is expected to meet Delaware River Basin Commission (DRBC) standards. Temporary and localized impacts to water quality are expected during dredging and dredge slurry dewatering activities.	Temporary and indirect impacts to water quality (outside of excavation and placement area) and immediate project vicinity may occur as a result of the low level increase of dissolved and suspended solids during dredging and during the return of water from the CDF to the Delaware River during the drying of the dredged material.	Yes

Surface water sampling results for samples collected within the project area show the presence of substances of potential regulatory concern. Total concentrations of PCBs were greater than surface water quality standards for human health. Aluminum was reported at a concentration higher than DRBC freshwater screening level for aquatic life.	Discharge to Delaware River waters from a CDF is expected to meet DRBC standards. Temporary and localized impacts to water quality are expected during dredging and disposal activities, primarily due to the current quality of Delaware River water.	Temporary and indirect impacts to water quality (outside of excavation and placement area) and immediate project vicinity could occur as a result of increased turbidity, sedimentation and vessel activity during construction and operation of the port.	Yes
Sediment sampling results showed multiple substances at concentrations above DNREC HSCA human health and ecological screening levels. Excavator and recreator risk results for EPA's RAIS model were acceptable for carcinogenic risk and HI limits for the planned dredged materials. Risk assessments also were performed to support reuse decisions should dredged sediment material from the site be repurposed. Both strata A and B produced acceptable risk values for the composite worker and outdoor worker exposure scenarios. Sediment material from the site should not be reused in areas where human exposure is equivalent to or greater than the resident risk assessment scenario.	Temporary, localized dispersal of sediments is expected during construction and maintenance dredging. Relocating existing sediments from the open system of the River to a CDF has the benefit of removing bio-accumulating substances of ecological concern from the food chain of the Delaware River.	Removal of environmentally-poor quality sediments from the river bottom will help improve overall water quality in the project area. Removing substances of potential concern from the aquatic environment is expected to limit bio magnification of substances such as chlorinated organic compounds (i.e., PCBs, dioxins, furans) which should, in turn, help to reduce impacts on the food chain and bring the Delaware River closer to the Clean Water Act goal of edible fish and reduced restrictions on recreational fishing in the Delaware River.	Yes

Current Status and/or Health of Resources	Direct Impacts	Indirect Impacts	Resource/Issue to be included in Cumulative Effects Analysis
BIOLOGICAL RESOURCES			
Terrestrial Vegetation and Wildlife			
The project footprint is located in open water and no terrestrial vegetation is present. Vegetation on the upland property adjacent to the project site is typical of those found on a disturbed industrial landscape. No vegetation with significant habitat value is present on the upland property. Fencing completely encloses the upland property and likely prevents or minimizes the migration and/or movement of wildlife onto the property.	No direct impacts are expected.	No indirect impacts are expected.	No
Wetlands			
The project area is located in open water and no wetlands are present. The dredged material will be disposed at a preexisting CDF or reused on the property. The upland property adjacent to the project area where construction of the new port is expected has been assessed and no jurisdictional wetlands were found on the upland property.	No direct impacts are expected. No direct impacts are expected. No direct impacts are expected.	No indirect impacts are expected. No indirect impacts are expected. No direct impacts are expected.	No

Current Status and/or Health of Resources	Direct Impacts	Indirect Impacts	Resource/Issue to be included in Cumulative Effects Analysis
Aquatic Wildlife and Essential Fish Habitat (EFH)			
A portion of the project area consists of shallow water (Intertidal to approximately 12 feet). The remainder of the project area is considered a deep water environment (greater than 12 feet in depth). Existing manmade structures may provide some cover habitat for fish species and resting locations for avian predators. Based on the definition and criteria of the EFH, the project site is not essential habitat. The Delaware River supports productive commercial and recreational finfish and shellfish fisheries. No submerged aquatic vegetation (SAV) was identified within the dredging or construction areas. The Delaware River, including the project area, is identified as Critical Habitat associated with two endangered species of sturgeon. A Biological Assessment (BA) has been prepared and submitted to NMFS for consultation. The findings of the BA indicate that the project is not likely to adversely affect the continued existence of the endangered sturgeon species (see Appendix 13).	Permanent deepening of the central portion of the project area will occur. New side slopes will partially replace existing gradual slopes to steep river bank slopes, similar to those currently existing along the navigation channel. New and more extensive manmade structures will be constructed and are expected to provide cover habitat for fish species and resting locations for avian predators. The project is not expected to impact spawning of locally important anadromous fish species or remove available fishing grounds. Dredging is not expected to have a significant impact on sturgeon feeding opportunities associated with changes in the benthic sediment composition, water depth and currently minimally available food biota. Temporary effects to benthic species in the project area from dredging are expected, but recovery of the benthic community within a few months to a few years is expected. Temporary effects to finfish species from dredging would be avoided due to their mobility and time of year restrictions that are expected to be attached to dredging and pile driving activities.	Temporary and indirect impacts to aquatic life could occur in the immediate project vicinity as a result of turbidity, sedimentation, noise, light, and vessel activity during construction. Temporary and indirect impacts to species that feed on benthic organisms or other fish could be temporarily impacted, but those species likely would migrate to other areas to seek food. Shoaling prevention fans are being considered to reduce sedimentation rates within the berth area. It is unlikely that the operation of the shoaling prevention fans would affect sturgeon or other post larval finfish due to the midwater column location of the inlets to the shoaling prevention fans, the use of inlet screens and the low velocity of water flowing to the inlets.	Yes

Threatened and Endangered Species			
The BA was prepared to evaluate the potential impacts of the project actions on species protected by the Endangered Species Act, provided in Appendix 13. Atlantic and shortnose sturgeon are both listed as species of primary concern and are most likely to occur within the project area due to the location and habitat. Species of sea turtles and whales were considered species of secondary concern because they do not occur within the immediate vicinity of the project area, but may occur within the federal navigation channel of the Delaware River and Bay downriver from the project area.	According to the BA, the direct impacts to Atlantic and Shortnose sturgeon from dredging and wharf construction are anticipated to be insignificant.	According to the BA, the construction and operation of the proposed Edgemoor port is not anticipated to significantly impact populations of threatened or endangered species. The effect of increased vessel traffic on the navigational channel and potential increase in ship strikes is anticipated to be insignificant or discountable. Ship strikes of Atlantic sturgeon may adversely impact the populations, but it is not significant enough to jeopardize the continued existence of the species.	Yes
Invasive Species			
Corbiculidae, commonly known as basket clams, were identified within the proposed dredge area during the Essential Fish Habitat assessment. Various species of Corbiculidae are known to reproduce rapidly and be tolerant of cold temperatures. This leads to uncontrolled growth in population sizes.	Removing the sediment via dredging will remove some of invasive species from the aquatic ecosystem.	Removing the sediment containing invasive species from the project area may allow for endemic species to re-populate the affected aquatic ecosystem. No other significant impacts are anticipated.	No
Coastal Zone Management Resources			
The project area is located within the federal Coastal Management Zone.	The project is not expected to significantly degrade natural resources or water quality and is expected to be consistent with the Delaware Coastal Management Program (DCMP) state requirements.	No indirect impacts are expected. The new container port facility is not regulated under the Delaware Coastal Zone Act. The expansion of the port at Edgemoor is consistent with land use and goals of the Federal Coastal Zone Management Act Consistency Policy. The project repurposes a former industrial facility to a new port facility.	No

Current Status and/or Health of Resources	Direct Impacts	Indirect Impacts	Resource/Issue to be included in Cumulative Effects Analysis
HUMAN ENVIRONMENT			
Socioeconomics			
The proposed project area is in the Delaware River, but is located adjacent to a former industrial site now planned for development of a new container port. The project site is located near the communities of Edgemoor, Bellefonte, and Wilmington. In 2017, the Port of Wilmington (POW) handled approximately 5.8 million short tons of cargo, of which 2.5 million short tons was containerized cargo. This generated $463 million in added value for the State of Delaware and approximately $26.7 million in tax revenue. The POW contributes $508.8 million in value-added to the regional economy. Current POW operations generate approximately 5,390 direct and indirect jobs with an average annual salary of $63,592 including fringe benefits associated with port jobs. In general, direct jobs associated with the port pay 22.3% and indirect jobs pay approximately 12.6% more than the statewide average, while induced jobs pay approximately 13.2% less than the statewide average.	Impact on the local job market from dredging and wharf construction is expected to be minor.	The new port at Edgemoor is expected to increase vessel traffic by 55% over current traffic, forecasting an increase of approximately 244 container vessels calling at Edgemoor and a throughput of 1,182,600 Twenty-Foot Equivalent Units (TEUs) of loaded containers. Operations at the newly constructed port is anticipated to generate 2,965 direct and indirect jobs. Approximately 2,260 of these jobs are associated with the expansion in annual container cargo throughput. The jobs are anticipated to pay on average $30.57 per hour with benefits. The expansion of cargo throughput is anticipated to significantly benefit statewide and regional economy.	Yes
Environmental Justice			
According to the CEQ's guidance on Environmental Justice (EJ) populations, a minority population and a population with more than 20% living below the poverty level are represented in the City of Wilmington. Wilmington's estimated population in 2017 was 71,276 with 70.6% of the population considered a minority and 27.0% of the total population below the poverty threshold. Compared to the surrounding region, unemployment in Wilmington has been consistently higher historically. In 2017, the City's unemployment was 6.4%, which decreased from 11.3% in 2010.	No direct impacts are expected.	The new port facility at Edgemoor is expected to increase jobs, wages, and tax revenue opportunities for the City of Wilmington, and the socioeconomic region. This is expected to directly contribute to reduced unemployment and poverty in the City of Wilmington and the socioeconomic region. These changes are expected to benefit the quality-of-life for many residents.	Yes

Community and Recreational Resources			
There are neither terrestrial community nor recreational resources in the project area which is in the open water of the Delaware River.	No direct impacts are expected.	No indirect impacts are expected.	No
The former Chemours Edge Moor Facility formerly employed a large number of fulltime workers. Community facilities within the vicinity of the former chemical manufacturing plant were developed to accommodate the needs of the work force. These facilities include housing, emergency services, schools, hospitals, and other community facilities.	No direct impacts to community facilities located within the surrounding communities are expected.	Once in full operation, the port facility will have employed a larger work force than previously employed at the former Chemours Edge Moor Facility. This work force is anticipated to restore and support the community facilities in the surrounding communities that were adversely impacted by the closure of the former Chemours Edge Moor Facility.	
The vicinity of the project area includes some recreational boating activity on the Delaware River. Recreational fishing in the project area and the adjacent land is currently limited due to restricted access to the river. Use of the project area for recreational boating purposes is limited to transient passage of recreational boaters outside of the main navigational channel, which is heavily traveled by large commercial vessels. Swimming currently is prohibited in this portion of the Delaware River due to poor water quality.	Most recreational boating traffic in the vicinity of the project area is limited to the main channel of the Delaware River. Direct impacts to recreational boating are expected to be minimal during project construction.	Construction of the berthing area and new container port will eliminate the use of the project area for recreational boating and fishing. This is not anticipated to be significant, given the restricted access to the water and limited recreational boating use currently.	
Fox Point State Park is north of the project area. The state park adjoins the Delaware River and is a popular destination for joggers, hikers and visitors who enjoy observing maritime activity on the River.	Construction of the berthing area and new container port is expected to have temporary impacts to Fox Point Park.	One of the intended uses for Fox Point State Park was visitor enjoyment of marine activity on the Delaware River. The new port adjacent to the park will enhance visitor experiences.	

Current Status and/or Health of Resources	Direct Impacts	Indirect Impacts	Resource/Issue to be included in Cumulative Effects Analysis
Visual and Aesthetic Resources			
Areas assessed for visual and aesthetic resources consist of viewsheds within the project area looking out from the existing shoreline towards residential areas and adjoining sites, as well as viewsheds from residential areas and adjacent sites looking towards the project area. Areas considered include Fox Point State Park, adjoining industrial facilities to the west and south of the project site, residential areas on the western side of I-495 and U.S. Highway 13, and Penns Grove, New Jersey.	Visible impacts during construction in the project area will be limited to the dredge, cranes to support wharf construction, and supporting vessels and infrastructure. The proposed dredging and wharf construction are consistent with the current and historic visual and aesthetic resources of the area and are not anticipated to impact adversely the view-scape of the western shoreline for residents and visitors in Edgemoor, Delaware and New Jersey.	Long-term visible impacts to horizon view of the project area will include cranes and ships while approaching, exiting or docked at the Port. This view replaces that of the former chemical manufacturing facility located adjacent to the project area, which is consistent with the historic and current visual and aesthetic resources of the industrial area bounded by Fox Point State Park, the Christina River, and I-495. It is not anticipated that the port construction and operation will negatively impact the visual and aesthetic resources of the nearby residential communities, Fox Point State Park, and the surrounding area.	No
Existing Infrastructure			
The upland property adjacent to the project area is the site of a former chemical manufacturing facility that has been demolished. Two abandoned piers and a water/wastewater intake/discharge structure remain. A navigation range light also is located approximately 200 feet offshore.	The piers and water intake will be demolished in anticipation of the construction of the new port. Coordination with the Coast Guard and other regulatory agencies will be required to relocate the range light.	No indirect impacts are expected.	No
Traffic and Transportation			
There is no surface transportation located in the project area. Primary surface transportation in the vicinity of the project area and former Chemours Edge Moor Facility is provided by I-495 and by rail (Conrail/Norfolk Southern). The Delaware River is utilized for a variety of commercial shipping activity including container transport. The project area will be used by container ships accessing the port for loading and unloading cargo.	No direct impacts from dredging or wharf construction in the project area are expected. No direct impacts to surface transportation from construction in the project area are expected. There may be temporary impacts to commercial shipping during dredging, mobilization and project construction.	No indirect impacts are expected. Possible indirect, temporary impacts are expected during port construction. The construction of the port and operation of the port facility is anticipated to increase truck and rail traffic in the vicinity of the former Chemours Edge Moor Facility. Commercial shipping activity is expected to increase in the project area upon completion of the new container port facility.	Yes

Hazardous Toxic and Radioactive Waste (HTRW)			
No unaddressed sites have been identified in the project area.	No direct impacts are expected.	No indirect impacts are expected.	No
The project area is adjacent to the former Chemours Edge Moor chemical manufacturing facility that contained a number of solid waste management units (SWMUs) and was closed under Resource Conservation and Recovery Act (RCRA). Long-term monitoring of groundwater and engineered caps on SWMUs is ongoing.	No direct impacts from dredging or wharf construction within the project area are expected.	Port construction and future port operations will manage hazardous substances and other recognized environmental conditions identified within the project area, which will be a beneficial impact of project development, adequately. Any modifications to the SWMU caps or proposed relocation of monitoring wells as a result of construction of the new port will require approval by DNREC.	No
There are a number of HTRW sites in the vicinity of the project area associated with large industrial and small service/manufacturing facilities or historic fill material. These sites are being addressed through regulatory clean-up and closure programs administered by the State of Delaware or the United States Environmental Protection Agency (US EPA).	No direct impacts on or from HTRW sites are expected.	No indirect impacts on or from HTRW sites are expected.	No
Noise			
The project area is adjacent to the main navigation channel of the Delaware River and is subject to noise generated in the vicinity by the following: vessels in the Delaware River, vehicle noise from I-495, U.S. Route 13 and Edgemoor Road, as well as from passenger and freight trains traveling the Northeast Corridor Railroad.	Temporary impacts may result from dredging activities that are similar to noise levels generated during maintenance dredging activity in the main navigation channel of the Delaware River. The maximum sound levels generated from pile driving are temporary and not anticipated to adversely impact the nearby human receptors.	Noise generated from the construction and operation of the port facility is expected to be in compliance with New Castle County Noise regulations and is not anticipated to significantly impact local residents, businesses, or visitors of Fox Point State Park adversely.	No
Air Quality			
The project area is in the Greater Philadelphia region currently classified as “Marginal Non-Attainment” for ground level ozone standard. Air quality in the region has been improving steadily. Delaware’s air quality is impacted by upwind sources according to annual reports prepared by DNREC. Emissions from marine vessels are expected to improve as a result of newer, more efficient, national and international standards for engines and as older ships are replaced.	The Clean Air Act requires conformity analysis of emissions from dredges and other fuel burning equipment anticipated to be used in project construction. That analysis has indicated that construction-related emissions to air fall within the State of Delaware budget for transportation related emissions. Incorporation of recommended practices regarding construction equipment engines will limit annual construction emissions of criteria pollutants to de minimis levels.	Ship emissions are expected to decrease long term as a result of newer, larger, cleaner and more efficient ships utilizing the new container port. Equipment such as electric cranes and drayage (vehicles used to move cargo within the port) at the new port are expected to minimize air emissions associated with port activities.	Yes

Current Status and/or Health of Resources	Direct Impacts	Indirect Impacts	Resource/Issue to be included in Cumulative Effects Analysis
Cultural Resources			
No known cultural or historical resources have been identified in the project area based on historical research and remote sensing devices in patterned searches.	No direct impacts are expected.	No indirect impacts are expected.	No
Safety and Security			
The upland former Chemours Edge Moor Facility is enclosed completely by fencing and is patrolled by security personnel.	No direct impacts are expected. Dredging and construction activities will be performed in compliance with Occupational Safety and Health Administration (OSHA) and other applicable safety regulations to support the safety and wellbeing of workers and the public.	No indirect impacts are expected. The port owners and operators are expected uphold the required security standards and communicate effectively with U.S. Customs and Border Protection, the U.S. Coast Guard, Homeland Security, and other law enforcement and regulatory agencies at the Federal, State, and local levels.	No

The subsections below summarize the reasoning for focusing on the effects carried forward in the cumulative impact analysis relative to the direct and indirect impacts to the physical, human, and biological environments.

5.4 Cumulative Effects Analysis

Relevant Past and Present Actions

In considering the potential cumulative impacts from past and present actions, a review of the current infrastructure and access to the Delaware River in the area around the project is warranted. Past and present actions that should be considered are those associated with the use of the Delaware River, particularly for maritime transportation.

Navigation improvements to the Delaware River were first authorized by Congress in 1836. The federal deep-draft navigation projects in the estuary include:

- Delaware River, Philadelphia, Pennsylvania to Trenton, New Jersey;
- Delaware River, Philadelphia to the Sea;
- Delaware River at Camden, New Jersey;
- Schuylkill River, Philadelphia; and
- Wilmington Harbor, Christina River, Delaware.

New maritime commerce and related infrastructure will result from the deepening of the main channel of the Delaware River to 45-feet MLLW that is being completed by the United States Army Corps of Engineers (USACE). Projects that are in the development stage include:

- PhilaPort – Expansion of Philadelphia's Southport Marine Terminal
- South Jersey Port Corporation (SJPC) – Construction of new Paulsboro Terminal
- Gibbstown (NJ) Logistics Center (former DuPont Company Repauno site)

These facilities are expected to require dredging for berth areas and access to new and/or expanded terminal operations.

Reasonably Foreseeable Actions

Reasonably foreseeable actions that should be considered are those associated with the use of the Delaware River, particularly for maritime transportation. New maritime commerce and related infrastructure likely will come from the deepening of the main channel of the Delaware River that is being completed by USACE.

PhilaPort, SJPC and Gulftainer operate existing ports along the Delaware River. SJPC operates ports in Camden and Salem including the Balzano Marine Terminal, Broadway Terminal and Salem Terminal. The advertised depth of the existing ports is 40 feet MLW. PhilaPort operates numerous port facilities in the Greater Philadelphia area. Gulftainer operates the existing Port of Wilmington (POW) under agreement with the Diamond State

Port Corporation. POW maintains berths on the Christina and Delaware Rivers. The majority of berths associated with these facilities require maintenance dredging at some regular frequency.

Other reasonably foreseeable actions include ongoing maintenance of the main channel of the Delaware River by the USACE.

Opportunity for development of other new river-dependent infrastructure in the project area that would generate cumulative impacts would appear limited due to the location of existing facilities located along the Delaware River. Immediately to the south of the proposed port is the Hay Road Power Complex energy generating facility with the City of Wilmington Wastewater Treatment Plant immediately south of the Hay Road facility. The Cherry Island landfill operated by the Delaware Solid Waste Authority is adjacent to the treatment plant and adjoins Wilmington Harbor South (WHS), a CDF owned and operated by the USACE.

To the north of the proposed port is Fox Point State Park. Potential land for redevelopment is located to the north in Claymont, a site owned by First State Crossing that is expected to be utilized for an industrial park and the site of a new Claymont passenger rail station. Immediately north is Oceanport, a privately owned commercial pier, adjoined by the former General Chemical site that currently is being remediated and redeveloped. The site does have an existing pier that is out of use. To the north, at Marcus Hook, Pennsylvania, is the Energy Transfer Partners natural gas liquids facility and ship terminal that also includes a pier.

Facilities with current access to commercial shipping could seek to maintain their berths through maintenance dredging or to deepen their existing berths in order to accommodate larger ships that will be able to navigate the Delaware River once the deepening of the main channel is completed.

5.4.1 Aquatic Life and EFH

The primary aquatic life of concern associated with the proposed action, and carried forward in the analysis with respect to cumulative effects, is the removal of benthic habitat for shortnose sturgeon and Atlantic sturgeon caused by dredging and placement. The past actions would not continue to have effects on the foraging grounds of the shortnose and Atlantic sturgeon since dredging has long since ceased, though periodic maintenance dredging for these projects would. The present projects that still require dredging would have effects on the benthic habitat of these endangered sturgeon.

The permanent direct impacts include the change of the water depths and the removal of benthic habitat. The Delaware River extends approximately 102.5 miles from Philadelphia to deep-water in the Delaware Bay, providing a variety of water depths, and most of the river bottom providing potential benthic habitat. The cumulative projects impact water depth and benthic habitat in two principle ways: by deepening the river bottom when navigation channel, berths, and turning basins are excavated, and by filling as terminal facilities are built. The following are estimated volumes of dredge material in cubic yards (CY) that are to be removed from the cumulative projects.

- Paulsboro Dredge Material: 334,000 CY
- Southport Dredge Material: 1,008,000 CY (Maybe additional 298,000 CY)
- Gibbstown Logistics Center Dredge Material: 457,000 CY

Additionally, sediment sampling results, discussed in Section 4.1.6, and risk analysis determined that the current river bottom at the project area has concentrations of metals that may pose risk to benthic organisms according to National Oceanic and Atmospheric Administration Screening Quick Reference Table (NOAA SQuiRT) levels. While the current benthic habitat will be removed, the removal of the current river bottom sediments may benefit the surrounding ecosystem by removing potentially harmful substances. The reasonably foreseeable actions, involving maintenance dredging of the project area and cumulative projects, would continue to remove harmful substances adhered to sediment and potentially benefit the ecological health of the benthic organisms associated with the Delaware River sediment. Removal of substances of potential impact to ecological health with sediments might also reduce exposures to aquatic life throughout the food chain as some of these substances bio-accumulate.

Each of the past, present, and reasonably foreseeable actions that continue to have dredging or placement activity associated with it would have the same type of localized short-term effects to the sturgeon. These short-term effects include impingement, burial, and increased turbidity. Typically, the temporary effects of dredging last a few hours and extend a few thousand feet. Therefore, the most important cause-and-effect relationship of concern to the sturgeon is the timing and spacing of the projects and whether their effects would spatially or temporally overlap. The Port of Paulsboro project, the PhilaPort Southport Marine Terminal project, and the Gibbstown Logistics Center projects do not spatially overlap. Given that the effects of dredging from these projects would not overlap, due to distance, it is expected that the temporary effects to the sturgeon would also not overlap. Dredging operations are seasonal due to the sturgeon migrating in early spring for spawning. In coordination with the National Marine Fisheries Service (NMFS), dredging and pile driving will not occur during the spawning window between March 1st and July 15th. Therefore, the proposed action's temporary localized effects to sturgeon likely would not have significant cumulative effects with the past, present, or reasonably foreseeable actions due to either timing or distance. Since maintenance dredging would occur once every few years, the same dredge distance and time of year limitations would apply and the same effects during those activities would also be expected to be temporary in nature, and not cumulative.

The use of shoaling fans is being considered to minimize sedimentation within the berth area at Edgemoor. This action is intended to decrease the frequency of maintenance dredging within the project area. This is anticipated to reduce the volume of dredge material stored in a CDF. The operation of shoaling fans is not anticipated to have a cumulative effect on the reasonably foreseeable dredging operations. The shoaling fans are not expected to negatively impact listed species discussed in the EFH assessment. It is reasonably foreseeable that the reduction in disturbance frequency may allow colonization of beneficial benthic organisms in the

newly exposed and cleaner river bottom. There are no cumulative impacts anticipated from the implementation of the shoaling fans.

5.4.2 Sediment and Water Quality

Sediment

As discussed in Section 4.1.6 of this report and further analyzed in the Sediment and Surface Water Quality Assessment provided in Appendix 20, preliminary sediment analysis in 2016 and additional analysis in 2019 of sediments at the project area indicated that several substances are present at concentrations above human health and ecological screening levels. The analysis determined that the poor environmental quality of the sediment is consistent with that of the zone of the Delaware River where the cumulative projects are located (Zone 5). The direct cumulative impact of the dredging would be temporary and localized removal of river bottom sediments into separate pre-existing CDF(s). Removal of the impacted sediments, through the initial dredging, maintenance dredging, and placement of the dredged material into upland CDF(s) has been determined to be in compliance with both human and ecological health standards for the project area.

Sedimentation within the berth area is expected, which would require frequent maintenance dredging to retain the proper depth of the berth. The Applicant is considering the use of shoaling fans to minimize sedimentation within the berth area. The use of shoaling fans is anticipated to decrease the frequency of maintenance dredging within the berth area. It is reasonably foreseeable that the use of shoaling fans would decrease the volume of dredged sediment removed from the river bottom and placed in the CDF(s). No cumulative effects on sediment quality are anticipated from the use of shoaling fans along the berth area.

The main cause-and-effect concern of the proposed cumulative dredging projects would be the further dispersal of the substances reported at concentrations of potential concern to portions of the Delaware River that are not impacted by such substances. The resuspension of sediment and increase in turbidity from dredging is temporary and localized, lasting a few hours and ranging a few thousand feet. As discussed above, the dredging activities within the area being considered for cumulative impacts are spatially separated, and the increase in turbidity would not overlap. It is reasonably foreseeable that this impact would continue to occur periodically at the project area, main navigational channel, and other cited projects. However, this effect is temporary and localized to the individual dredge areas. Initial dredge activity is expected to occur for a period of one to two months per year over the course of three years and will not occur continuously. Maintenance dredging events are anticipated to require less time to complete. No cumulative effect is expected from the temporary, localized dispersal of sediments from dredging. The cumulative action of removing contaminated sediments from the river and placing them in CDF(s) where substances of concern can be sequestered reduces the potential exposures to aquatic life and human health.

Water

Based on surface water sampling results, there are compounds of concern that are elevated above Delaware River Basin Commission's Stream Quality Objectives (DRBC's SQOs) for human health exposure to carcinogens and systemic toxicants through ingestion of fish. Additionally, metals and PCBs were detected above DRBC SQOs for acute and chronic exposure for aquatic life in a freshwater environment. The surface water quality analytical results present at the project area are believed to be reflective of the current conditions of the Delaware River. A reasonably foreseeable impact to water quality from the continued removal of sediment through maintenance dredging is the removal of compounds of potential concern to human health and aquatic life. This removal may benefit water quality in the vicinity of the project area. An enhancement in water quality could limit further bio accumulation in the aquatic food chain of persistent, chlorinate, organic substances, such as PCBs, dioxins and furans in the Delaware River and bring overall water quality closer to the long-term goal of edible fish.

The primary concern to water quality from the proposed action with respect to cumulative effects is the temporary increase in turbidity during dredging and placement of dredge material in the CDF(s). The present cumulative projects and the reasonably foreseeable projects include dredging of the berth areas and periodic maintenance dredging of berths, access channels and the Federal navigation projects. During dredging, the temporary increase in turbidity only lasts a few hours and may extend a few thousand feet from the action area. Initial dredging is expected to occur two to three months at a time over the course of three years and is not expected to be continuous. As discussed above, the cumulative projects do not spatially or temporally overlap. The effluent water quality resulting from the initial and reasonably foreseeable maintenance dredge material placed in the CDF(s) is anticipated to meet DRBC SQOs, and Delaware Surface Water Quality Standards (DE SWQS) where DRBC SQOs are not provided, when ambient water quality in the river currently meets the same standards. The effluent quality from the CDF is anticipated to comply with surface water discharge regulations. Effluent from other cumulative sites are also expected to meet similar standards. The past, present, and reasonably foreseeable cumulative actions associated with placement of the dredge materials are also required to meet surface water discharge regulations. Therefore, the cumulative temporary, localized effects on turbidity from the proposed action would not have cumulative adverse effects on water quality.

5.4.3 Socioeconomics and Environmental Justice

The regional socioeconomic beneficial implications of the cumulative projects and the proposed action would include business revenue impacts, employment impacts, personal earnings impact, and tax revenue impacts. The proposed action alone is anticipated to employ relatively few people from the local area. Port construction and dredging operations will be carried out by contractors and the impact on the local labor market is therefore expected to be minor. The creation of skilled-labor jobs would likely increase regionally as a result of the cumulative dredging projects and

the proposed action. The indirect cumulative impacts to Wilmington, New Castle County and the surrounding region come as the result of a new container port becoming operational at the Edgemoor site. Additionally, operation of a new container port is anticipated to generate approximately 2,260 new direct and indirect jobs that would pay well above the poverty level. Those jobs may be filled by workers from this labor pool.

New Castle County's estimated population in 2017 was 555,036. According to the U.S. Census Bureau, 40.0% of the population is considered a minority and 11.9% of the total population resides in poverty. Additionally, the City of Wilmington's estimated population in 2017 was 71,276 with 70.6 % of the population considered a minority and 27.0% of the total population below the poverty threshold. An estimated 10.4% of Delaware County, Pennsylvania and 7.9% of Gloucester County, New Jersey fall below the poverty threshold. Therefore, growth in construction industry employment may indirectly increase jobs and wages regionally, which is beneficial to reducing the poverty levels of the geographical area of the cumulative projects. Additionally, operation of a new container port is anticipated to generate approximately 2,260 new direct and indirect jobs that would pay well above the poverty level. Those jobs may be filled by workers from this labor pool.

The Port of Wilmington is a major asset and economic engine of the State of Delaware as it annually produces $463 million in value-added for the State of Delaware and $26.7 million in tax revenue in fiscal 2017. The Port of Wilmington is responsible for 5,390 jobs, broken-down as 2,951 direct and 2,439 indirect and induced jobs. Expanding the containerized cargo throughput at the new port is expected to require 2,260 direct and indirect jobs, based on an expansion of annual cargo tonnage to approximately 10 million tons per annum with 0.28 jobs per thousand tons of containerized cargo handled. The total estimated added value to the State of Delaware would increase from $463 million per annum to $846 million per annum. State and local taxes derived from the expanded containerized cargo throughput would be approximately $48.9 million per annum. This figure represents an approximate $22.2 million annum increase in income to the State of Delaware and local governments. Regionally, the value added associated with the expansion of containerized cargo throughput is forecasted to be approximately $930 million for the Philadelphia – Wilmington – Camden MSA per annum. This value added is an approximate annual increase of $421 million to the MSA over the current yield from the Port of Wilmington.

The expansion of the cargo throughput through the new port facility at Edgemoor is anticipated to greatly benefit the local and regional economy by increasing jobs, wages, and taxes. This has the potential to directly reduce poverty and unemployment in the immediate geographical area, specifically in the City of Wilmington, since the jobs at the Edgemoor port will be local and much of the job recruitment may come from the city. The 2,260 new jobs forecast to result from the containerized cargo expansion represent an opportunity for approximately 3% of the population of the City of Wilmington, 5% of the minority population in Wilmington, and 12% of the population living below the poverty level in Wilmington. Providing well-paying jobs to residents may help to reduce unemployment and the number of residents living below the poverty level, which will greatly benefit the quality of life

for those people. Increasing wages, providing jobs, and the increase in tax revenue for the region would promote economic growth locally and regionally, which will likely benefit local businesses and services (accommodation, entertainment, food service etc.) in the region. Each of the past, present, and reasonably foreseeable actions associated with the Project are expected to have a cumulative beneficial impact on the socioeconomic status of the geographical area.

5.4.4 Traffic and Transportation

Land based traffic and marine traffic associated with the project and the proposed action would impact the northeastern New Castle County area. Workforce and commuter traffic generated by the waterside construction and dredging activities are considered minimal temporary impacts. Additionally, dredging vessels, ocean going vessels (OGVs), and dredging equipment create a potential temporary increase for marine traffic. Once at the project site and operating, the marine equipment should not have an impact on marine traffic.

A secondary impact of the project will also occur during the construction of the port through the increase of land-based vehicles to and from the site. This traffic will include construction equipment being mobilized, heavy trucks hauling material to and from the location and an on-site construction workforce that will be commuting from the region. These secondary impacts will be temporary during the construction period and are not expected to be significant.

The operation of the new container port is expected to increase the use of trains and trucks to transport containers to and from the port. Train and truck traffic at the site has been reduced since the closing of the former Chemours Edge Moor chemical manufacturing Facility. The volume of truck traffic that may utilize the new container port is unknown at this time, but will be quantified as part of a future traffic analysis by the Delaware Department of Transportation (DelDOT). Similarly, it is difficult to quantify the increase in rail traffic that may be utilized to transport cargo affiliated with the proposed port.

There is existing traffic data and projections for intersections near the proposed port location that do not include estimated traffic impacts from the project or port operations. The proposed action area can be accessed via four routes, which will likely be used for past, present, and reasonably foreseeable future transportation requirements. In 2017, the annual average daily traffic (AADT) was determined in the vicinity of the proposed action area by DelDOT. The AADT of four intersections of interest is approximately:

- 6,472 vehicles per day (8% truck AADT) at the intersection of 12th Street and Hay Road
- 628 vehicles per day (4% truck AADT) at the intersection of Hay Road and Interstate-495 (I-495)
- 9,084 vehicles per day (14% truck AADT) at the intersection of Edgemoor Road and U.S. Highway 13 (U.S. 13)

- 13,506 vehicles per day (8% truck AADT) at the intersection of U.S. 13/Philadelphia Pike and I-495

To account for regional and local traffic growth from developments outside and in the vicinity of the proposed action area, the existing traffic volumes were increased by an annual traffic growth rate of 1.009 for traffic pattern group (TPG) 2 and by an annual growth rate of 1.029 for TPG 3, as recommended by DelDOT. Table 5.4-1 and Table 5.4-2 summarize the regional and local traffic growth without the development of the project area. No significant traffic impacts are anticipated during the construction of the berth and wharf and landside activities related to the construction of the port. Cumulative impacts from other potential projects in the area including First State Crossing in Claymont, Delaware and the planned new Claymont rail station will also be evaluated according to appropriate local and state standards.

Table 5.4-1 Regional and Local Expected Traffic Growth

Intersection	2017 Average Annual Daily Traffic (AADT)	Percent Truck AADT (%)	Traffic Pattern Group (TPG)	Growth Factor	2022 (5 year) Projected AADT	2032 (15 year) Projected AADT
12th St. & Hay Rd.	6472	8%	2	1.009	6769	7403
Hay Rd. & I-495	628	4%	3	1.029	724	964
Edgemoor Rd. & U.S. 13	9084	14%	2	1.009	9500	10391
U.S. 13/Philadelphia Pike & I-495	13506	8%	2	1.009	14125	15449

Table 5.4-2 Average Weekday Traffic Peak Hour Periods

Intersection	Avg. Weekday Hourly Distribution of AADT(%)			TPG
	6AM - 9AM	10AM - 2PM	3PM - 6PM	
12th St. & Hay Rd.	5.38	6.01	7.35	2
Hay Rd. & I-495	5.35	6.17	7.61	3
Edgemoor Rd. & U.S. 13	5.38	6.01	7.35	2
U.S. 13/Philadelphia Pike & I-495	5.38	6.01	7.35	2

Current annual vessel traffic on the Delaware River is estimated to be 2,427 ships (maritimedelriv.com, 2017). GT USA Wilmington has predicted that the new port at Edgemoor will promote vessel traffic increase of 55% over the current annual vessel traffic at the Port of Wilmington, which forecasts an increase in annual vessel traffic to 244 container vessels from 157 container vessels. Container ship traffic on the Delaware River is expected to increase to an estimated 648 vessels annually from 418 vessels currently; an increase of 230 additional vessels, in part attributable to the additional port capacity being developed in Philadelphia and New Jersey. Once the cumulative projects and proposed action are completed, there will likely be a further

increase in vessel traffic. Furthermore, the ongoing navigation improvements to the main channel in the Delaware River will ensure the continued safe navigation to the terminals along the river and will provide increased efficiencies for arriving vessels.

Dredging operations will directly impact the proposed action area. Typically, pipelines will extend from dredges to the area where the material is to be relocated. A floating pipeline will trail immediately behind the dredge. However, the project is anticipated to use sunken pipelines for sections of the pipeline route in areas of navigation channels or recreational boating extents of the pipeline route. Sections of floating pipeline are only utilized along sections of the river without boating activity and are highly visible and marked with lights at night. Sunken pipeline routes should be chosen to enable reasonably free movement of OGVs and to minimize crossing of the navigation channels that are present in tributaries to the Delaware River. Currently, the dredged material from construction primarily is planned for disposal at the Reedy Point Complex, located on the eastern shoreline of the Delaware River near the eastern terminus of the Chesapeake and Delaware Canal. There potential alternatives are also located along the State of Delaware side of the River. The extended dredge pipeline will not be placed within the main navigation channel and is not anticipated to significantly impact vessel traffic navigating in the Delaware River. Traffic to and from the existing Port of Wilmington Christina River berths would need to account for a sunken pipeline near the harbor entrance during active dredging operations. Further, sunken pipelines would need to accommodate vessels traveling to berths at the Delaware City Refinery, vessels using the Branch Canal in Delaware City, and if the Reedy Point South CDF is used, vessels transiting the Chesapeake and Delaware Canal. Small craft have greater mobility around dredging equipment. Therefore, the restriction on small craft is unlikely and insignificant.

Dredging operations associated with the cumulative projects is not expected to significantly impact shipping traffic and is unlikely to inhibit marine transportation in the Delaware River. The Port of Paulsboro project, the PhilaPort Southport Marine Terminal project, and the Gibbstown Logistics Center projects do not spatially overlap. Dredging and maintenance dredging activities in the River are subject to regulatory restrictions including the time of year when dredging may occur. Depending on the timing of dredging and location of CDFs for storage of material, there may be cumulative impacts to OGVs navigating the River from dredging at Southport, Gibbstown and/or Paulsboro. These considerations may include additional dredge pipeline in the Delaware and Schuylkill Rivers along with dredges and support vessels. Given the distances between the cumulative projects, impacts to vessel traffic would not have a reasonably foreseeable adverse cumulative impact on those projects. Dredging operations and equipment from past, present, and reasonably foreseeable actions are not anticipated to have an adverse cumulative effect on marine transportation.

5.4.5 Air Quality

The cumulative projects and the proposed action would produce air emissions including NO_x, VOCs, SO_x, CO, and particulates, during dredging activities to create and maintain channels, dredge berths and channel improvements and build terminals. These emissions would be temporary and intermittent.

Based on the geographic scope selected for this resource being in New Castle County, consideration of actions within this area would include projects and activity beyond the individual dredge projects associated with the proposed action. These activities would include projects associated with transportation improvement, industrial facilities, commercial development, municipal infrastructure improvement, and other forms of construction occurring in the geographical area. While it is not practical to list, discuss, and analyze individual actions across all these categories, a discussion of the trend in air quality and the regulatory framework in place that addresses these categories provides an indication of the expected cumulative effect of these actions.

The Clean Air Act (CAA) has resulted in a variety of regulations promulgated through the U.S. EPA, which address control or reduction of emissions from the mobile on-road and non-road sources, stationary industrial sources, and residential and nonresidential construction sources. Delaware's Division of Air Quality is responsible for planning regulation of emissions and assessing compliance with federal and state air quality standards. Delaware's regulation of various source emissions (conformity, mobile on-road, non-road etc.) include some form of regulation for either ozone, or its precursors, which include NO_x and VOCs. On October 1, 2015, the primary and secondary National Ambient Air Quality Standards (NAAQS) were strengthened for ground-level ozone from the 2008 NAAQS of 0.075 parts per million (ppm) over an 8-hour period to 0.070 ppm.

All of the aforementioned types of projects and sources producing emissions in New Castle County have been occurring under the framework of Delaware's Division of Air Quality. On November 16, 2017, the U.S. EPA declared New Castle County a marginal nonattainment area for ozone. In 2017, there were seven days in New Castle County that exceeded the current standard. As measured by the air quality index (AQI), all pollutants except ozone were below the NAAQS in 2017. Continuing recent trends, the number of days with good air quality continues to increase. Concentrations of air toxics in Wilmington continue to show generally low or declining levels.

Despite nonattainment for ozone in 2017, Delaware ozone levels in the 1990's were lower than in the 1980's, with continued improvement into the 2000's. This decreasing ozone trend suggests that the cumulative effect of past and present actions has not compromised the ability for air quality to improve in New Castle County. The trend would be expected to continue with more stringent standards being phased in for multiple categories of regulated sources. The proposed action could have meaningful positive impact on regional marine NO_x emissions. The NO_x -limited nature of ozone formation would increase the significance of any measureable positive contribution towards further reducing NO_x emissions. Emissions from construction equipment include dredges, cranes, bulldozers and non-road sources are not expected to have a significant negative impact on Delaware's air quality as demonstrated through the General Conformity Analysis found in Appendix 24. In addition, other cumulative projects that are determined to be federal actions must also demonstrate conformity with the CAA. Therefore, the dredging emissions from past, present, and reasonably foreseeable actions, and the proposed actions are not expected to have an adverse cumulative effect on air quality

6.0 COMPLIANCE WITH STATUTES AND REGULATIONS

FEDERAL REGULATIONS

6.1 National Environmental Policy Act (NEPA)

Regulations set forth by the Council of Environmental Quality (CEQ) were followed in preparation of this EATD in order to comply with NEPA. The environmental and socioeconomic impacts of the project and the proposed alternatives have been analyzed in accordance with NEPA and are presented in this report.

6.2 Magnuson-Stevens Fishery Conservation and Management Act (Public Law 104-297) .

The Magnuson-Stevens Fishery Management and Conservation Act (MSFCMA) requires that Essential Fish Habitat (EFH) be delineated for all managed species to minimize, to the extent practicable, the adverse effects on EFH and identify other actions to encourage the conservation and enhancement of EFH. EFH is defined as "those waters and substrate necessary to fish for spawning, breeding, feeding or growth to maturity" (16 U.S.C. 1802(10)).

Habitat and benthic resource sampling was conducted in the project area that included beach seine, bottom trawl and benthos/sediment sampling. A search for submerged aquatic vegetation (SAV) was also conducted. None of the species identified in the seine and trawl surveys are Federally-managed species and do not have EFH mapped within the vicinity of the proposed project. Additionally no wetlands or SAV are present in the project area. Based on the absence of resources suitable for fish spawning, breeding, feeding and growth within the dredging and construction areas, no habitat of value was identified within the affected environments. Therefore, no habitat of value is present.

6.3 Endangered Species Act

The Endangered Species Act (ESA) aims to conserve the population of threatened and endangered (T&E) species and protect the habitats in which they live. Section 7(a) (2) of the federal ESA requires that each federal agency, in consultation with the USFWS and/or NMFS, ensure that any action authorized, funded, or carried out by such agency is not likely to jeopardize the continued existence of an endangered or threatened species, or result in the destruction or adverse modification of critical habitat. In response to a NEPA scoping request from the USACE, NMFS (2019) requested that the potential impacts of the project be addressed for T&E species. The BA addresses the potential impacts to T&E species from the proposed project actions and was provided to NMFS for review. NMFS will review the BA and offer comments for USACE to consider in the form of a Biological Opinion. NMFS did not provide any additional comments regarding ESA or EFH.

The USFWS performed an online Information for Planning and Consultation (IPaC) environmental review process and concluded that no threatened or endangered species under

USFWS' jurisdiction are present within the dredge area, construction area, or the Delaware River federal navigational channel. A certification letter provided by the USFWS is included in Appendix 15. USFWS also provided a consultation letter, dated May 13, 2019, discussing the identified T&E species that may be present in the proposed project area and may be affected by the proposed actions. The USFWS identified one additional threatened species, the Northern Long-eared Bat, that may occur at the project area or the adjacent Chemours Edge Moor Plant property. Consultation with the DNREC Division of Fish & Wildlife did not identify any terrestrial T&E species that could occur on the adjacent Chemours site, and it was determined that the bat species is likely not present on the adjacent site. There are no critical habitats identified in the project area. The USFWS had no additional comments regarding species protected by the ESA.

6.4 Fish and Wildlife Coordination Act of 1958

The Fish and Wildlife Coordination Act (FWCA) requires Federal agencies to coordinate with the U.S. Fish & Wildlife Service (USFWS) and State fish and wildlife agencies when proposed project actions have the potential to impact fish and wildlife resources. The FWCA ensures that measures are developed to protect the health and supply of fish and wildlife. The Applicant has coordinated with the USFWS, National Marine Fisheries Service (NMFS), and the Delaware Department of Natural Resources and Environmental Control (DNREC) Wildlife Species Conservation and Research Program (DNREC-WSCRP) through the Biological Assessment (BA) and additional correspondence and consultation.

The BA identified impacts to species protected under the Endangered Species Act (ESA). A copy of the BA has been submitted to the NMFS for review and issuance of a Biological Opinion. The USFWS performed an online Information for Planning and Consultation (IPaC) environmental review process and concluded that no threatened or endangered species under USFWS' jurisdiction are present within the dredge area, construction area, or the Delaware River federal navigational channel. A certification letter provided by the USFWS is included in Appendix 15. An environmental review request was submitted to DNREC's Wildlife Species Conservation and Research Program (DNREC-WSCRP) to obtain information regarding rare plant and animal species as well as vegetation communities that may be present within the project/action area. The results of the review indicated that no state or federally listed species (different from those identified by NMFS) existed within the project area. A copy of the environmental review response letter is included in Appendix 16.

The BA was prepared in conjunction with the EATD and discusses the impacts to T&E species and other wildlife concerns within the project area. Impacts to the fish and wildlife resources within the project area and the cumulative impacts to fish and wildlife resource are anticipated to be insignificant as discussed in Sections 4.2 of this EA. Section 6.8 below further discusses the consultation and correspondence with NMFS and Marine Mammal Protection Act of 1972

6.5 Marine Mammal Protection Act

The Marine Mammal Protection Act of 1972 establishes a moratorium on the taking and importation of marine mammals and products. The moratorium is intended to conserve and

protect marine mammal life while also making it illegal to harass, hunt, capture, feed, or kill any marine mammal or their parts. This Act gave rise to the Marine Mammal Commission, the International Dolphin Conservation Program, and a Marine Mammal Health and Stranding Response Program. The Marine Mammal Health and Stranding Response Program is intended to improve responses to unusual mortality events and protect the wellness of marine mammals. Two endangered whale species, the fin whale and the right whale, may potentially occur within the very lowest portion of the Action Area near the mouth of Delaware Bay (NMFS, 2019). As discussed in the BA, the risk to fin and right whales from vessels bound to or from the Edgemoor project is insignificant considering the extreme rarity of the whales in the Action Area, the small increase in vessel traffic relative to baseline vessel activity, and the protection afforded by the mid-Atlantic SMA. The proposed project actions are not expected to significantly impact marine mammals within the Delaware River ecosystem. Therefore, the proposed project complies with the Marine Mammal Protection Act of 1972.

6.6 Executive Order 13186, the Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA), first enacted over 100 year ago and amended multiple times since to broaden its international scope, was designed to protect the populations of migratory birds and their resources. Federal agencies are encouraged to increase their efforts to avoid or minimize impacts on migratory bird resources. According to the USFWS, "The MBTA provides that it is unlawful to pursue, hunt, take, capture, kill, possess, sell, purchase, barter, import, export, or transport any migratory bird, or any part, nest, or egg or any such bird, unless authorized under a permit issued by the Secretary of the Interior. Some regulatory exceptions apply. Take is defined in regulations as: 'pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to pursue, hunt, shoot, wound, kill, trap, capture, or collect."

Correspondence with the USFWS did not indicate the likelihood of migratory bird or water nesting birds being present in the project area. Therefore, there are no negative impacts to migratory bird populations, or their resources, anticipated from the proposed dredging, wharf construction, or port construction and operation.

6.7 National Historic Preservation Act of 1966

In compliance with the National Historic Preservation Act (NHPA) of 1966, as amended, Duffield's subconsultant R. Christopher Goodwin & Associates, Inc. (RCG&A) conducted a submerged cultural resources survey of the project area in accordance with Section 106 of the NHPA to provide a historical analysis of the project area and identify any National Register of Historic Places (NRHP) – listed or eligible properties as well as any cultural resource located within the proposed dredging and construction areas. The report prepared by RCG&A is provided in Appendix 21. RCG&A's investigation concluded that there are no terrestrial archeological sites or submerged cultural resources identified within or in the immediate vicinity of the Edgemoor site. The potential to discover significant, intact cultural resources within the project area is considerably low. In accordance with regulations in 36 CFR 800.2 put into effect for section 106 of the NHPA, the Advisory Council on Historic Preservation (ACHP) consults with agency officials on projects and programs that affect

cultural resources and historic properties. However, no consultation with the ACHP is required for this project because there are no historic properties or cultural resources located in the project area.

6.8 Clean Water Act

The Clean Water Act (CWA) was originally passed in 1972 and was designed to regulate the discharge of the pollutants into the nation's surface waters, wetlands, and coastal areas. Section 404 of the CWA specifically regulates the discharge of dredge and fill material into the water bodies and wetlands of the United States. The proposed project actions include dredging of a U.S. water body. The CWA requires that the Applicant achieves a goal of "no net loss" of wetlands. The applicant must make every effort to avoid or minimize potential impacts to wetlands and other aquatic resources, and provide compensation for any unavoidable impacts. This EATD was prepared in support of the permit application using guidance developed under CWA Section 404 to discuss the impacts of the proposed actions.

There are no wetlands present in the project area, confined disposal facility (CDF), or the adjacent upland former Chemours site. The proposed project actions are not anticipated to impact any wetlands, which is compliant with the goal of "no net loss" of wetlands set forth by the CWA.

Section 4.1.6 of the EATD summarizes the sediment and water quality of the project area and references a sediment quality and water quality report prepared in conjunction with the EATD. The report discusses current quality of the sediments and surface water located in the project area based on sediment and surface water sample analytical results and is included in Appendix 20. The report also discusses the anticipated human health and ecological risks associated with the quality of sediment and water in the project area during the proposed dredging activities, the quality of soil exposed by dredging (new river bottom), the quality of dredged material stored in the WHS CDF, the quality of effluent water from the WHS CDF, and the quality of dredged materials for productive reuse.

The water quality in the area of dredging and the water quality associated with the effluent discharge from the CDF are regulated under standards established through the CWA. The estimated concentrations of substances in the surface water during dredging and in the effluent discharged from the CDF generally are compliant with applicable Delaware River Basin Commission Surface Water Quality Standards (DRBC SWQS) and to the State of Delaware Surface Water Quality Standards (DE SWQS) where DRBC SWQS are not provided. According to surface water analytical results for surface water samples, the current Delaware River water quality has concentrations of aluminum, lead, benzo(a)pyrene, dioxins, furans, and PCBs that exceed the DRBC SQOs and DE SWQS. In situations where water quality of the Delaware River are elevated above the DRBC SQOs and DE SWQS, concentrations in the CDF effluent discharge were compared to current Delaware River concentrations.

Limits have been placed on the concentration of total suspended solids (TSS) in the effluent from WHS CDF. During the dewatering of project dredged sediments placed into WHS CDF, TSS will be monitored to comply with those limits. At these TSS limits, the concentrations of aluminum and total PCBs in the river mixing zone for the effluent are expected to be above the DRBC SQOs, due to the ambient water quality of the Delaware

River, not due to the CDF discharge quality. Discharge from the CDF is expected to be limited to a flowrate of approximately 1.7 cubic feet per second (cfs). Aluminum and total PCB concentrations are expected to contribute minimally to the ambient concentrations in the Delaware River at that discharge rate. See Section 4.1.6.2 and Appendix 20 of this report for additional information regarding water quality assessment.

6.9 Rivers and Harbors Act

The Rivers and Harbors Act was developed to protect the nation's navigable waters and govern construction or development activities located on or below the Ordinary High Water (OHW) elevation. Regulated actions under Section 10 of the Rivers and Harbors Act of 1899 include any dredging or disposal of dredged materials, excavation, filling, rechannelization, or any other modification of a navigable water. The law also applies to the construction of any structure in or over a navigable water body of the U.S. These actions on a navigable water body require authorization from the USACE and issuance of a permit. The Applicant has submitted a permit application to the USACE.

The proposed project actions include the dredging of the sediments located adjacent to the main navigational channel and the disposal of the dredged material in a preexisting CDF. As discussed in the sediment and water quality report provided in Appendix 20, the discharge of dredged material into the CDF is anticipated to be compliant with the DE SWQS by implementing discharge flowrate constraints during the dredge cycles. Additionally, the ecological and human health risks associated with the quality of sediment and water in the project area during the proposed dredging activities, the quality of soil exposed by dredging (new river bottom), and the quality of dredged material stored in the WHS CDF were determined to be below the State of Delaware's *Regulations Governing Hazardous Substance Cleanup* ecological and human health risk guidelines.

The use of fill material and construction of the wharf on the shoreline of the Delaware River within the project area are also regulated under the Rivers and Harbors Act. The Applicant has submitted the final construction plans to the USACE along with the permit application for review and approval.

6.10 Clean Air Act

The Clean Air Act (CAA) was enacted to protect the health and welfare of the public by requiring the EPA to establish National Ambient Air Quality Standards (NAAQS) for widespread air pollutants. Under this act is the General Conformity rule, which plays a crucial role in helping states and tribes improve air quality to meet the NAAQS. The General Conformity rule requires federal agencies to work with state, tribal and local governments in a nonattainment or maintenance area to ensure that federal actions conform to the air quality plans established in the applicable state or tribal implementation plan.

Section 4.3.9 of the EATD discusses the requirements set forth under the General Conformity rule in more detail and provided a discussion on the estimated construction emissions from the project actions. The construction emissions assessment was conducted in order to determine if the de minimis thresholds for NO_x and VOCs would be exceeded. The Assessment is provided in Appendix 24. The assessment concludes that the project actions

are expected to conform with federal Clean Air Act and State requirements with the implementation of best practices and use of air emission control equipment to reduce emissions from commercial marine vessels and construction equipment.

6.11 Coastal Zone Management Act

The Coastal Zone Management Act (CZMA) of 1972 was enacted to protect the coastal environments of the United States from the growing demand of development in coastal areas and to protect the resources of the nation's coastal zones. The guidelines in the CZMA help State regulatory agencies develop coastal management programs. Federal agencies proposing project actions within or outside of the coastal zone, which may impact natural resources within the coastal zone, are required to comply with the approved State coastal management program. The Delaware Coastal Management Program (DCMP) is the State program which cooperates with the Federal government under the CZMA and governs the management of the State's coastal areas. The DCMP designates the coastal areas and its natural resources within the State and manages the Delaware's Coastal Zone Management Federal Consistency review. Review of the Federal actions is to ensure that the proposed actions are consistent with the Federal objectives of the CZMA. Federal Consistency requires that projects conducted by a federal agency, authorized by a federal permit, or implemented with federal funds be consistent with Delaware's Coastal Zone Management policies.

The project area and the adjacent Chemours Edge Moor Plant property are located within the State coastal zone. Section 6.18 below discusses that Applicant's compliance with the State of Delaware policies under the DCMP.

6.12 Executive Order 11990, Protection of Wetlands

This Executive Order (EO) deters Federal agencies from assisting in new construction that would impact wetlands unless there are no practical alternatives available. The proposed project must include all practical measures to minimize impact to wetlands. As discussed in Section 6.8, the CWA Section 404 program is responsible for ensuring "no net loss" of wetlands. The CWA Section 404 program in conjunction with this EO strongly promotes the commitment for Federally-implemented and permitted projects to achieve no net loss of wetlands. Therefore, avoiding impacts to wetlands and achieving no net loss of wetlands are important factors in complying with this EO.

Channel dredging, berth construction, and operation of the new port will not occur on wetlands. Dredging and berth construction take place on the Delaware River while the new port is being constructed in an area zoned for industrial use. Therefore, compliance with Executive Order 11990 is met in regards to the project actions.

Large amounts of sediment material will be removed during dredging and will be placed in a CDF. According to the Dredge Management Plan (DMP), the dredged material from the initial and maintenance dredging will be placed in WHS CDF, located south of the port of Wilmington adjoining the Delaware River. The DMP specifies that existing CDFs will be used for the dredge material placement. Utilizing existing CDFs negates the need to

construct a new CDF and potentially impact wetlands. Therefore, no impacts to wetlands from the initial and maintenance dredge disposal are expected.

6.13 Executive Order 11988, Floodplain Management

Under this EO, Federal agencies are required to identify possible impacts or modifications to floodplains that could occur from proposed actions and to support practical alternatives to floodplain development. A portion of the project site is located within the 100-year tidal flood plain of the Delaware River Estuary. A 100-year flood means that there is a one percent annual chance that an area will be flooded. Tidal flooding is associated with storm surge, not excessive precipitation like fluvial flooding. As such, changes in the volume of a tidal flood plain have minimal impacts on the elevation of water within the flood plain. The project will require the placement of fill in a portion of the tidal flood plain. However, the volume of that fill, estimated to be approximately 145,000 cubic yards is more than offset by the volume increase in the flood plain that will result from the excavation of approximately 3.3 million cubic yards for sediments and soil from the river. Impacts will require approval by New Castle County as described in Section 6.24.

6.14 Executive Order 12898, Environmental Justice in Minority Populations and Low Income Populations

This EO was established to ensure that Federal agencies determine whether programs, policies, and activities have disproportionately high and adverse human health or environmental impacts on minority and/or low-income populations within the project area. Section 4.3.1. of this report discusses Environmental Justice (EJ) in detail. Dredging and berth construction will likely have no disproportionate impacts to minority and low-income populations because these actions are temporary. Port construction and operations will be required to comply with state and local regulations including air quality standards. The new port facility is expected to generate jobs, increase wages, and increase tax revenue for the region which is expected to directly improve unemployment and reduce poverty in the City of Wilmington. Therefore, adverse impact to minority or low income populations due to port construction or operations is unlikely.

6.15 Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA)

CERCLA provides a Federal superfund for the cleanup of hazardous waste sites and the liability, compensation, cleanup, and emergency response for releases of hazardous substances into the environment. The HTRW investigation provided in Section 4.3.8 of this EATD references a Phase I Environmental Site Assessment prepared by Duffield Associates for the project area in August of 2016. The investigation found multiple sites within both the State and Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database associated with the project footprint. The Chemours site was listed under the Federal CERCLIS No Further Remedial Action Planned database. Nearby sites listed under the State CERCLIS database included the Fox Point Park Phase I, Delmarva Power & Light – Edgemoor, Amer Industrial Technologies, and the Conectiv Edgemoor Power Plant. The Delmarva Power & Light – Edgemoor site and the Conectiv Edgemoor Power Plant were collectively part of the Calpine Mid-Atlantic

Generation site according to the Phase I report. The investigation concluded that none of these sites listed under the State CERCLIS database are of environmental concern regarding the proposed project actions.

6.16 Resource Conservation and Recovery Act (RCRA)

RCRA regulates management and disposal of hazardous waste and non-hazardous solid wastes. Based on the Phase I ESA discussed in the HTRW in Section 4.3.8 of this report, the property is managed under RCRA. DNREC has delegated authority from USEPA to administer RCRA. There are 32 solid waste management units (SWMU) located on the property that have been identified and addressed. Port construction and future port operations will be required to manage site conditions in accordance with a DNREC-approved RCRA closure plan. See Appendix 8 for additional information regarding RCRA compliance activities that have occurred at the project site.

6.17 Toxics Substances Control Act (TSCA)

TSCA provides several options for clean-up and disposal of polychlorinated biphenyls (PCBs) regulated under the law. One option is performance-based disposal which allows the management or disposal of material containing <50ppm polychlorinated bi-phenyls (PCBs) that have been dredged or excavated from Waters of the United States in accordance with a permit that has been issued under Section 404 of the Clean Water Act. DSPC is seeking an individual permit under Section 404 of the Clean Water Act in order to dredge sediments from the berth area of the proposed project at Edgemoor and will manage the sediments containing PCB in accordance with the permit.

6.18 Farmland Protection Policy Act of 1981 and Prime or Unique Farmlands

The Farmland Protection Policy Act of 1981 was created to protect farmlands from being adversely impacted or unnecessarily converted to nonagricultural land by Federal programs. It is required that agencies identify the negative impacts of Federal programs on prime and unique farmlands and consider any alternatives that could lessen the impacts. Port construction and operations are occurring in an industrial zone and project activities are water-based. Therefore, no farmlands are anticipated to be impacted by the project.

6.19 Noise Control Act

The Noise Control Act of 1972 established a national policy to promote an environment free from unwanted noise that damages hearing and impacts the welfare of Americans. The Act promoted coordination of Federal research and efforts in noise control which led to the establishment of Federal noise pollution standards for commercial products. Noise levels, noise reduction, and safety information is labeled and provided for noise-generating products. Under the Act, any Federal agency that develops noise control standards or regulations must consult with the USEPA. Also, a Federal agency that is involved with noise-emitting activity must comply with Federal, State, interstate, and local requirements regarding environmental noise control. However, project planning, permitting, or NEPA analysis have no established

requirements under the Noise Control Act. There are no other relevant requirements under the Noise Control Act that apply to this report aside from following existing Federal, state, interstate, and local noise regulations.

As discussed in Section 4.3.10, noise emissions from the proposed project actions are not expected to have considerable impact to the project area or its vicinity during construction. The primary source of noise emissions will be the impact pile driving. The estimated maximum noise levels from pile driving are expected to be below the New Castle County Noise Ordinance regulatory level of 65 dBA during daytime operations. The estimated maximum noise levels are above the New Castle County Noise Ordinance regulatory level of 55 dBA during nighttime operations. To meet compliance with the noise ordinance, it is suggested that pile driving be curtailed during nighttime operations or that practical noise control measures, be implemented to reduce noise... Vibratory hammers that vibrate rather than utilize direct impact are expected to be used to reduce noise.. In addition, impact absorption materials are expected to be used with impact hammers to also reduce noise.

STATE OF DELAWARE REGULATIONS

6.20 State of Delaware Coastal Zone Management Program

The DCMP governs the management and protection of the State's coastal zone through its policies. The DCMP's Federal Consistency review of the federal actions is intended to ensure that the proposed actions are consistent with the federal objectives of the CZMA.

The State of Delaware Federal Consistency has policies and procedures in place regarding the Port of Wilmington. Section 5.8.1 of the Federal Consistency policy advises that the long-term economic viability and competitiveness of the Port of Wilmington should be encouraged and supported. Additionally, the policy encourages the expansion of the Port of Wilmington along the Delaware River to meet future national and regional transshipment needs. The new port at Edgemoor will be an auxiliary expansion of the Port of Wilmington and is expected to significantly benefit the regional economy. The project actions will allow the new port facility to be constructed which is in-line with the goals of the State of Delaware Federal Consistency policies.

6.21 State of Delaware Coastal Zone Act 7 Del. C. §70

The project site and adjoining upland area are located within Delaware's Coastal Zone as it is defined by the Coastal Zone Act (CZA). The CZA regulates heavy industry, manufacturing and bulk product transfer facilities located within the Coastal Zone. The CZA does not regulate dredging or the placement of dredged materials. Containerized cargo is not considered bulk cargo and is not subject to regulation under the Act. Therefore, the proposed project and the proposed container port at the Edgemoor site is not regulated by the CZA.

6.22 State of Delaware Wetlands Regulations, 7 Del C. §7502

DNREC upholds regulations to preserve the tidal wetlands of Delaware and protect them from destruction or damage from unpermitted dumping, filling, and similar activities.

Wetlands play a substantial role in the State's economic and ecological value. The State has set regulations in place to preserve and protect the productive public and private tidal wetlands in Delaware.

Channel dredging, berth construction, and operation of the new port will not occur on State of Delaware tidal wetlands. Therefore, the project will not impact State of Delaware tidal wetlands adversely.

As discussed in section 6.10, the dredge material from both initial and maintenance dredging will be disposed of in existing CDFs. As such, no adverse impacts to existing State of Delaware tidal wetlands are anticipated from these dredging activities.

6.23 State of Delaware Regulations Governing the Use of Subaqueous Lands, 7 Del C. §7504

DNREC is responsible for upholding regulations that protect the public interest against potentially impairing uses or changes to subaqueous lands. The proposed dredging, filling and constructing associated with the project constitute uses or changes to Delaware's subaqueous lands and are regulated by the State. To comply with the State regulations governing the use of subaqueous lands, the Applicant submitted a permit application to DNREC.

6.24 Clean Water Act Section 401 Clean Water Quality Certification

DNREC is responsible for utilizing the 401 water quality certification in coordination with state regulations of subaqueous lands, tidal wetlands, and regulations under the Coastal Zone Management program. Section 4.1.6 of the report discusses the impacts to water quality in the project area and CDF following the completion of the initial dredging and maintenance dredging. The proposed impacts to water quality of Delaware waters and wetlands is in compliance with the water quality standards set forth in the Delaware River Basin Commission Surface Water Quality Standards, the State of Delaware Surface Water Quality Standards, and Chapter 5 of the Water Pollution Control regulations. These regulatory standards for water quality are what govern the review of the 401 permit application. The 401 permit application is being submitted to DNREC.

NEW CASTLE COUNTY REGULATIONS

6.25 Land Use Approval

The New Castle County (NCC) Department Of Land Use is responsible for overseeing the review of proposed development plans to ensure that they meet all applicable legal requirements. Development plans for the wharf and container port facility were shared with the NCC Department of Land Use and all applicable permits will be acquired prior to construction of the wharf and container port. A copy of the New Castle County Zoning Determination has been include in Appendix 25.

6.26 Flood Plain Management

Based on FEMA floodplain management maps of New Castle County, Delaware, it was determined that the project area and a portion of the upland property is in an area mapped by the Federal Emergency Management Agency (FEMA) as subject to inundation by the one percent annual chance event, identified on the FEMA flood map as a coastal high hazard area. However, the dredging is located in open water and would deepen and widen the channel. A portion of the floodplain along the shoreline will be filled for wharf construction. Additionally, the dredged material placement option is located outside of any area mapped as a one percent floodplain.

Fill material will be used to construct the wharf on portions of the shoreline where the wharf will connect to the upland former Chemours property. A clean fill material will be used and will be properly compacted and stabilized to prevent erosion. The Applicant will be required to have a permit from NCC for backfilling into the floodplain. The fill placement and construction of the wharf will be performed in compliance with the New Castle County Unified Development Code, NCC Drainage Code, NCC Comprehensive Development Plan and all other governing regulations for development in the one percent annual chance event flood zone. A flood plain development permit will be acquired prior to construction of the wharf.

DELAWARE RIVER BASIN COMMISSION (DRBC)

6.27 Water Quality Regulations and Comprehensive Plan

DRBC's Compact requires any project having a substantial effect on the water resources of the Basin to be approved by the Commission before it is undertaken by any person, corporation or governmental authority. The Commission must approve a project whenever it finds and determines that such project would not substantially impair or conflict with the Comprehensive Plan and may modify and approve as modified, or may disapprove any project whenever it finds and determines that the project would substantially impair or conflict with the Plan.

The DRBC also has regulations in place that govern any discharge into waters within the Delaware River basin. As stated in Section 6.8, the estimated concentrations of compounds of potential concern during dredging and the effluent discharge from the CDF are required to be below the applicable DRBC SWQS, and below the DE SWQS where DRBC SWQS are not provided. As discussed in the sediment and water quality assessment report in Appendix 20, the water quality during the project actions is expected to be in compliance with both the DRBC and DE SWQS. By complying with the DRBC and DE SWQS, the project actions are expected to be compliant with the CWA.

7.0. CONCLUSIONS

This chapter summarizes the beneficial and adverse environmental impacts of the proposed action. Where unavoidable potential adverse impacts have been identified as possibly resulting from the proposed action, specific actions have been proposed to minimize or mitigate the potential adverse impacts. No irretrievable or irreversible adverse impacts that cannot be avoided, minimized or mitigated have been identified by this document.

7.1. Summary of Impacts

The proposed action includes dredging to create a berth and access channel for a new container port at Edgemoor, Delaware on lands owned by the Diamond State Port Corporation. The action also includes the construction of a new wharf and supports the redevelopment of the Edgemoor Site into a multi-user containerized cargo port. The project proposes to dredge an area of approximately 85 acres, producing an estimated 3.3 million cubic yards of material. The primary location identified for the storage of the bulk of dredged material is the Reedy Point Complex consisting of Reedy Point North and Reed Point South Confined Disposal Facilities. Wilmington Harbor South CDF near the Port of Wilmington was also studied and found to have sufficient air "capacity" to accommodate the dredged material over multiple dredging events with an increase in dike height. Construction of the project is not anticipated to result in substantial direct, indirect and cumulative impacts to the environment. The following summarizes the findings of this Environmental Assessment regarding those impacts.

7.1.1 Physical environment and climate

- The proposed project will produce temporary emissions of greenhouse gases during construction which are not expected to have a significant impact on the climate of the action area.
- Construction of the project will include dredging in open water and construction of a wharf to accommodate ships. While there will be some filling of the tidal floodplain there will be no direct adverse impacts to the adjacent terrestrial environment. The fill in the tidal floodplain will have a negligible effect on flooding in the Delaware Estuary. There are no wetlands in the project area. Indirect impacts will involve redevelopment of the adjacent upland site from a former chemical manufacturing plant to a container port.

7.1.2 Topography and Bathymetry, Sediments

- Bathymetry in the project area will be altered permanently through the deepening of the river and removal of the existing shallow water shelf.
- The deepening of the river is expected to lower floodtide and ebbtide velocities within the created berth and perhaps the access channel and potentially increase sedimentation in the nearshore portion of the project area. Installation of anti-sedimentation technology will serve to minimize this impact.

7.1.3 Geology

- No direct or indirect impacts to geology in the area are expected to result from the project.

7.1.4 Hydrogeology

- No significant direct or indirect impacts to local hydrogeology are expected to result from construction of the project. Local groundwater is expected to continue to flow to the Delaware River. Groundwater within the permeable zones of the Potomac Formation will continue to interact with tidal conditions in the Delaware River.

7.1.5 Physical oceanography

- No significant direct or indirect impacts are expected on tides, currents, water levels or salinity as a result of dredging of the berth and construction of the wharf. Velocity of ebb and flood tide currents reductions may result in the project area, but will be unaffected in the larger action area.

7.1.6 Sediments and water quality

- There does not appear to be risks to human health from short-term exposure to sediments during dredging and during the placement and drying of materials in a CDF.
    - Stratum A (fluvial silt) sediments have been evaluated using screening levels developed under the Delaware Hazardous Substances Cleanup Act and contain benzo[a]pyrene, PCB-126, total PCBs, TEQ dioxin, arsenic, and thallium at concentrations above human health screening levels,
    - Generally, Stratum B (sandy) sediments contained total PCBs, TEQ dioxin, arsenic and thallium concentrations above human health screening levels based on reported analytical testing results of samples.
    - Stratum C (Potomac Formation soils) sample analytical results were reported above the human health screening levels for arsenic and vanadium. Stratum C consists of previously undisturbed soils and assessment of environmental conditions associated with the adjacent former industrial site have indicated that the arsenic and vanadium concentrations in the Potomac Formation soils are not the result of releases of hazardous substances.
- When placed in a CDF, sediments from the proposed construction are indicated to pose acceptable risks for human exposure.
- Removing contaminated sediments from the River as part of the project provides a positive benefit to the local ecosystem due to the removal of potentially harmful organic substances and reductions in the concentration of inorganic substances. The removal of sediment from the project area ultimately will bring the sediment and water quality of the River closer to the long-term goal of producing edible fish.

- Dredging and effluent discharged from the CDF are evaluated for water quality impacts and standards adopted by the State of Delaware or Delaware River Basin Commission (DRBC). Existing conditions in the Delaware River indicate that levels of aluminum, lead, benzo(a)pyrene, dioxins, furans, exceed both Delaware and DRBC standards for human health and or ecological health, based on analytic testing results for surface water samples. Water quality in the area of the dredging is expected to remain below acute toxicity levels in the water column when dredging is in progress. Under limitations for Total Suspended Solids (TSS), concentrations of PCBs and aluminum in the mixing zone adjacent to the CDF discharge are expected to be above DRBC standards, primarily due to the existing water quality. Treatment (settling) within the CDF is forecast to reduce aluminum and PCB concentrations by better than 99% between influent and effluent concentrations. The additions of aluminum and PCBs to the river water due to the CDF discharge is insignificant and temporary. In contrast, dredging of the sediments from the project is expected to remove approximately 2.7 tons of sediments containing PCBs from the aquatic environment, which should help support the recreation goal of the CWA for the Delaware River.

7.1.7 Biological Resources

Threatened and Endangered Species

The Biological Assessment, performed in accordance with the Endangered Species Act (ESA), establishes that the project is not likely to adversely affect the continued existence of endangered species at the project site or in the action area. Species of primary concern analyzed as part of the Biological Assessment were Atlantic and shortnose sturgeon which are both listed as endangered and are known to occur in the project area. Sea turtles and whales were addressed as secondary species as they are not known to occur in the project area but are found in the action area. Impacts assessed included, but were not limited to, dredging, pile driving, placement of dredged material, placement of fill and ship traffic.

- The Biological Assessment concluded that no or insignificant direct impacts would result from dredging and construction.
- Indirect impacts from increased vessel traffic of port operations, specifically the addition of an estimated 261 vessels per year (87 container ships and 174 tugs operated in support of the container ships) within the Delaware River federal navigation channel may adversely affect, but will not jeopardize the continued existence, of Atlantic sturgeon. Specifically, operation of the Edgemoor port may result in one additional Atlantic sturgeon mortality every 5.5 years, when compared to existing river vessel traffic. The potential effect of increased vessel traffic on shortnose sturgeon was considered discountable with one additional mortality every 85 years.
- The use of anti-sedimentation technology such as shoaling fans to minimize the impacts of sedimentation in the berth area was also analyzed as part of the Biological Assessment and determined not to pose a significant threat to sturgeon.

7.1.8 Critical Habitat

- The Delaware River system has been designated as critical habitat for the New York Bight distinct population segment (DPS) of Atlantic Sturgeon. The proposed project will not have a significant direct or indirect impact on the four habitat units identified as Critical Habitat.
- There is no hard rock bottom in the project area to serve as a spawning area. The project area does contain soft substrate habitat of silt and sand that might serve as foraging areas, which will be removed by dredging. However, benthic sampling has indicated a poor abundance and low diversity of pollution tolerant invertebrates are present in the project area, indicating that the project area unlikely is a critical foraging area for sturgeon. The project is not expected to impede movement of sturgeon or alter temperature or salinity of the River. Dissolved oxygen levels may be impacted by increased turbidity in the project area during dredging, but those impacts will be temporary.

7.1.9 Essential Fish Habitat

A benthic resource assessment involving benthos sampling and beach seine surveys coupled with a literature review of fisheries data from the Delaware River did not identify Essential Fish Habitat as part of the project area.

- The benthic resource assessment did not locate any submerged aquatic vegetation in the project area.
- Benthic organisms identified within the affected environments do not represent a diverse assemblage, primarily are pollution tolerant species and readily are available within adjacent areas of the river; and
- Three fish species, with low individual counts, were collected during the beach seining effort. Of 50 total fish caught, 34 were bay anchovy.
- No difference between shallow (defined as less than six feet in depth) and deep water with respect to benthic resources was identified.

7.1.10 Commercial and Recreational Species

- The proposed project is not expected to have significant direct or indirect impacts on commercial or recreational species, most notably herring, alewife and striped bass. No EFH or habitat of value is located within the affected environments. Benthic organisms (i.e., food sources) identified within the dredging and construction areas are pollution tolerant species that are not diverse and can be found throughout the estuary. The project site is located in the turbidity maximum of the estuary and the potential increases in turbidity associated with construction activities are unlikely to adversely affect fish species that are adapted to the prevailing turbid conditions. Dredging and pile driving activities are anticipated to occur outside the spawning window (typically March 1st – July 15th), minimizing the impact to fish movement/migration during spawning runs and occurring when the majority of key species are not present. The project does not include construction of waterway obstructions.

7.1.11 Vegetation, Wildlife and Invasive Species

- There is no known submerged aquatic vegetation in the project area. Vegetation in the upland portion of the adjacent property, where infrastructure to support port operations is planned, is limited to remnant landscaping vegetation associated with a former industrial site and vegetated caps over closed RCRA Solid Waste Management Units.
- The upland site is fenced and does not provide habitat for diverse wildlife populations. Basket clams, a species native to Asia, were found in the project area benthos. These mollusks and the habitat they are colonizing will be removed by the project, which may allow native species to repopulate the area after construction. There are not expected to be significant direct or indirect impacts to vegetation, wildlife or invasive species as a result of the project.
- One invasive organism was identified during the benthic resource assessment within the dredging and construction areas. Corbiculidae, commonly known as basket clams, are a family of bivalve mollusk originating in Asia. Of the total 648 organisms found in the 14 benthic resource assessment sediment samples, 12 Corbiculidae were identified. Various species within this family are known to reproduce rapidly and be tolerant of cold temperatures, resulting in uncontrolled growth of population sizes.

  The removal of sediment (via dredging) that contains invasive species may allow endemic species to re-establish within the aquatic ecosystem. No other invasive species are known to be present within the dredging or construction areas or the adjacent uplands.

7.1.12 Human Environment

No significant long term direct or indirect impacts from the project are expected to impact the population of the area, although localized increased job opportunities may be created for the local population.

7.1.13 Economy

Median age decline is notable in the City of Wilmington where the inflation-adjusted median household income has dropped from $50,400 in 2000 to $40,200 in 2017 – a decline of more than 20%. New Castle County, which includes the City of Wilmington, also showed a drop in median household income. The New Castle County income levels of $75,200 in 2000 and $68,300 in 2017 are higher than the City of Wilmington and greater than the overall median household income for the State of Delaware, revealing a disparity between urban and suburban household incomes in the region. The jobs created by the project may help this situation – they are expected to pay better than the median City of Wilmington income and are on a par with the New Castle County median. As such, there is expected to be a positive economic benefit to the City of Wilmington, New Castle County, State of Delaware and the region.

7.1.14 Environmental Justice

According to the Council on Environmental Quality guidance on EJ populations, the conditions necessary to define both a minority population and a population with more than 20 percent below the poverty level are present in the City of Wilmington. Based on analyses conducted as part of this assessment, there do not appear to be adverse human health or environmental impacts to the population of Wilmington and New Castle County, including minority and low income populations.

7.1.15 Socioeconomics

Direct and indirect impacts are expected from the construction of the project and the construction of a new container port at the former Chemours Edge Moor chemical plant.

- The expansion of containerized cargo is anticipated to require 2,965 direct and indirect jobs
- These jobs, with benefits are anticipated to pay on average $30.57 per hour in 2017 dollars.
- The total added value to the State of Delaware economy is forecasted to be approximately $846 million per annum. Compared to the existing estimate of $463 million per annum, the additional containerized cargo throughput would provide a net value added of approximately $383 million per annum.
- State and local taxes derived from the expanded containerized cargo throughput would be approximately $48.9 million per annum. This figure represents an approximate $22.2 million annum increase in income to the State of Delaware and local governments.
- Regionally, the value added associated with the expansion of containerized cargo throughput is forecasted to be approximately $930 million for the Philadelphia – Wilmington – Camden MSA per annum. This value added is an approximate annual increase of $421 million to the MSA over the current yield from the Port of Wilmington.
- The 2,260 new jobs forecast to result from the containerized cargo expansion represent an opportunity for approximately: 3% of the population of the City of Wilmington, 5% of the minority population in Wilmington, and 12% of the population living below the poverty level in Wilmington.

7.1.16 Community and Recreational Resources

- There are not expected to be direct or indirect impacts to local community and recreational resources from the construction of the project. Visitors to Fox Point State Park to the north of the project area proposed port will have an opportunity to view the “river at work” with the addition of new port operations nearby, which is one of the stated reasons for the park.

7.1.17 Visual and Aesthetic Resources

- There are not expected to be significant long-term direct impacts to visual and aesthetic resources in the area due to the project construction. Activities associated with construction including a dredge, cranes and support vessels may be temporarily visible during project construction.
- Indirect impacts from the construction and operation of a new container port at the adjacent upland site will include cargo cranes and construction equipment. Post construction, infrastructure such as cargo cranes, administrative buildings and warehouses, and stored containers will be visible at the site. This new infrastructure replaces the buildings, tanks, piping rack systems, processing equipment and smokestacks that were associated with the former chemical facility that was located at the site.

7.1.18 Existing Infrastructure

- There will be direct impacts to existing abandoned infrastructure in the project area. A U-shaped wood and concrete pier associated with the former Chemours chemical plant will be removed as will an existing pier that supports non-functioning water intake and discharge pipes for the former chemical plant. An existing range light that supports navigation of the Delaware River will be relocated.
- Indirect impacts to the adjoining upland parcel will include removal of former building slabs, existing pavements, existing foundations and underground utility appurtenances as necessary to support regrading and redevelopment of the site.

7.1.19 Transportation Infrastructure

- There are not expected to be significant direct impacts to landside transportation infrastructure associated with the construction of the project. Temporary and minimal impacts that may affect Hay and Edgemoor Roads and I-495 are limited to mobilization and movement of construction equipment and workers who may be commuting to the site. The number of site construction workers is anticipated to be small in comparison to the number of workers commuting to the site when it was an active industrial facility and when decommissioning and demolition were occurring. The roadways in the project area were developed to handle the traffic associated with the former industrial plant operations. No direct impacts are expected to rail transport.
- No significant direct impacts to wasterside transportation are expected from the construction of the project. Equipment will be mobilized to the site and will operate outside the bounds of the federal navigation channel.
- No significant indirect impacts to local roads, interstate highways and rail infrastructure from the construction of the new container port are expected.
- Train and truck traffic at the site has been reduced since the closing of the former Chemours Edge Moor chemical plant. The volume of truck traffic that may utilize the new container port is unknown at this time, but will be quantified as part of a

future traffic analysis by the Delaware Department of Transportation. Similarly it is difficult to estimate the volume of rail traffic until the actual tenants of the landside operations and the types of cargo they will be transporting are identified. For instance perishable cargo such as fruit may move locally by truck, but regionally or cross-country by rail. Nonperishable cargo, such as clothing or hard goods destined for regional and inland outlets likely would move by train.

7.1.20 Hazardous, Toxic and Radioactive Waste

- Any hazardous or toxic materials in the project area will be managed based on analysis of sediments and water quality included in this Environmental Assessment. There are not expected to be significant direct impacts from the dredging and placement of sediments in the Wilmington Harbor South CDF.
- There are not expected to be significant indirect impacts regarding hazardous, toxic and radioactive wastes on the adjoining upland property from redevelopment of the former Chemours chemical plant into a new container port.
- Extensive site characterization including groundwater and soil sampling was performed by both DuPont and Chemours with additional due diligence performed by the Diamond State Port Corporation prior to acquiring the site. The former plant site was closed under a Resource Conservation Recovery Act permit issued by the Delaware Department of Natural Resources and Environmental Control.
- Protective caps that were installed in several Solid Waste Management Units will remain in place or be modified to accommodate port development. Monitoring of those units and general site conditions will continue in accordance with approved RCRA plans during construction and after construction when the port is operational.
- Additionally, other industrial sites proximate to the project site and that may have been discharging or releasing hazardous substances to the estuarine environment have shut down and are in the process of being remedied, such as the former EVRAZ steel mill site under the State of Delaware Voluntary Cleanup Program and the former General Chemical site under US EPA administered RCRA Corrective Action, or have been remedied, such as the neighboring Fox Point State Park through the State of Delaware Brownfield Program.

7.1.21 Air Quality

- Air emissions from project construction are expected from the dredge, cranes, support vessels, excavators, bulldozers and vehicles, including worker vehicles that will be used for commuting to and from the project location. The Federal Clean Air Act and State of Delaware regulations require an analysis to determine if the project emissions shall be subjected to a General Conformity Analysis.
- New Castle County's ozone attainment status is categorized as Marginal by the US EPA. As such, the regulations require a determination as to whether project emissions for criteria pollutants of nitrogen oxides, volatile organic compounds,

carbon monoxide, sulfur oxides and particulate matter exceed de minimis levels established according to Delaware's ozone attainment status.

- The initial assessment assumed that commercial marine category equipment would be equipped by Tier 0 engines while non-road construction equipment would be equipped with engines that meet Tier III emissions standards and on-road truck emissions were estimated from engines meeting Tier II standards. In this scenario it was estimated that the project would exceed the de minimis threshold for NOx for year one of the project. However, NOx emissions for the first year of the project would represent only about 3.4 percent of the budget established by the State of Delaware.
- A second assessment scenario was developed to explore minimizing emissions and assumed that commercial marine engines would meet Tier II standards. In this scenario, de minimis thresholds were not exceeded. Both analyses suggest that the project conforms to State of Delaware and federal requirements.

7.1.22 Noise

- There is not expected to be significant direct impacts to noise in either the human or marine environment from the construction of the project. Increased noises due to the use of construction equipment will be temporary, the loudest of which in water likely will be the engine of the dredge and loudest of which in air likely will be the pile drivers used to install piling for the wharf.
- Noise from pile driving will be minimized by the use of vibratory and cushioned impact techniques as discussed in the Biological Assessment to protect endangered species. Those same measures will reduce noises in air, and based on calculations, are expected to be consistent with ambient noise levels in the area resulting from traffic on local roadways including I-495 and Route 13 and the Northeast Corridor rail line.
- In addition, the moratorium on pile driving during the spring spawning season (typically March – June) is expected to apply to this project and will be issued as a condition of State and federal permits. The intent of the moratorium is to minimize the potential for impacts to migratory (anadromous) fish species spawning runs.
- Indirect noise impacts from port operations at the new container facility are not expected to be significant. In air, large equipment at the port such as cranes and rubber-tired gantries will utilize electric motors that are much quieter than diesel engines. Noise from the port, including that from trucks, is expected to be within ranges for compliance with New Castle County requirements. In water, sound studies of shoaling fans have indicated that they are much quieter than ships and that the noises produced by the equipment are not in frequency bands that would affect adversely fish responses to other threats in the environment.

7.1.23 Cultural and Historic Resources

- A 2019 cultural resources assessment that included the use of multi-beam sonars, side scan sonar, magnitometor, and literature review did not identify significant cultural and historic resources within approximately 130 acres at the site

including the project area. As a result there are not expected to be direct or indirect impacts to cultural resources. The State Historic Preservation Office has concurred with the findings of the assessment.

7.1.24 Safety and Security

- The Maritime Institute of Technology and Graduate Studies (MITAGS) conducted a desktop and Full Mission Bridge Navigation Simulation Study to determine the navigation feasibility for a new terminal container port at Edgemoor. The purpose of the study was to evaluate the design of the terminal and turning basin and ensure that container ships are able to safely transit to the Edgemoor terminal on a regular basis with minimum impact to existing vessel traffic in the main channel of the Delaware River. The simulations were conducted under a variety of weather and tidal conditions and ship traffic scenarios. The evaluation resulted in Pilots identifying design considerations to deepen a portion of the berth approach to provide additional maneuvering space for inbound vessels. Modifications to the design were made to address the issue.
- There are not expected to be any significant direct or indirect impacts to safety and security.

7.2. Adverse Environmental Impacts That Cannot Be Avoided

The Applicant's proposed project would result in the following minor, localized, and temporary impacts during dredging and dredged material placement:

- Impacts to benthos, fish and existing habit) from turbidity and other more minor water quality changes within the dredge footprint.
- Impacts to fish, unvegetated river bottom benthic organisms, and existing habitat from entrainment, impingement, and burial within the dredge and placement footprint.

Because the organism populations are common throughout the river and would be expected to recover quickly, or the organisms would avoid these effects through their mobility, and considering the small percentage of likely habitat affected, the effect would be considered minor and temporary. These effects cannot be avoided because dredging is necessary to excavate below water.

The Applicant's proposed action would result in the following permanent impacts:

- Conversion of approximately 85 acres of natural shallow unvegetated river bottom to deeper, berth and access channel bottom and side slopes subject to vessel activity and periodic maintenance dredging.

The conversion of shallow unvegetated river bottom to berth and access areas are minor given the amount of unvegetated river bottom throughout the Delaware River estuary. The cumulative effects of this type of impact were not shown to be significant. Although the river bottom would be altered permanently by dredging, the permanent beneficial impact is the removal of a significant amount of sediments that are contaminated with bio accumulative

toxins and other pollutants whose removal will have a long-term benefit to the estuary and support the goal of ultimately removing advisories on human consumption of fish taken from the Delaware River.

7.3. Conclusion of Impacts to the Environment

Implementation of the preferred alternative of dredging the Edgemoor site to 45 feet MLLW is recommended. The project proposes the removal of an estimated 3.3 MCY of silt, sand and clay material from approximately 85 acres of subaqueous lands of the Delaware River. The dredging is required to create a berth and access area to support construction of a proposed new container port that represents an expansion of the existing Port of Wilmington. The preferred site for storage of the bulk of dredged material would be the Reedy Point Complex, an existing, federally owned and managed confined disposal area in Delaware. This alternative is recommended based on meeting the purpose and need for the proposed action and the criteria used to identify it. The selection of the preferred alternative is also based on the detailed environmental analysis contained in this document which concludes that the proposed action would have no significant social, economic or environmental impacts that would necessitate an Environmental Impact Statement.

8.0 LIST OF PREPARERS

Duffield Associates prepared this Technical Document on behalf of the Diamond State Port Corporation with key personnel responsible for review and preparation of the document listed below. Contractors and subconsultants used on the project and their respective roles are also identified.

8.1 List of Preparers

Brian Devine. P.E. Duffield Associates – Project management, quality assurance review

David Small, Duffield Associates - Project evaluation, Sediment and water quality analysis, human health impacts analysis, cumulative impacts analysis

Rick Beringer, P.E. Duffield Associates – Sediment and water quality analysis, HTRW monitoring, economic forecast conditions, quality assurance review

Rebecca Harris, Project Scientist, Duffield Associates – Aquatic and upland habitat analysis, affected biological resources analysis

Ralph Downard, Senior scientist, Duffield Associates – Section 404 wetlands assessment

Jessica Fedetz, Staff Engineer, Duffield Associates – Sediment and water quality analysis, human health impacts analysis, cumulative impacts analysis

Bryan Moriarty, Staff Engineer, Duffield Associates – Alternatives analysis, noise, aesthetic, community and recreational resources analysis, cumulative impacts analysis,

Emaad Fayaz, Staff Engineer, Duffield Associates – Air emissions General Conformity Analysis

Audrey Jones, Duffield Associates – Project Support

Subconsultants/Subcontractors

Hal Brundage, Environmental Research and Consulting, Inc.

Dr. Jerry Diamentedes, David Miller Associates – Economics, Employment, Socio-Economics, Transportation

Charlii Miller, Environmental Consulting Services, Inc. – Habitat and benthic sampling and characterization, and fish population survey

The Maritime Institute of Technology and Graduate Studies (MITAGS)

Mott MacDonald – Hydrodynamic modeling and analysis

R. Christopher Goodwin and Associates – Cultural resources and marine archaeology

Gahagan & Bryant Associates, Inc. – Bathymetric survey and submarine remote sensing

SedCon Technologies, Inc. – Anti-sedimentation technology

S.T. Hudson Engineers, Inc. – Dredge planning and logistics

Landmark Engineering - Surveying

Aqua Survey, Inc. - Vibracoring

CGC Geoservices, LLC. – Geotechnical Test Borings

Test America – Laboratory analysis for sediment and water quality sampling

University of Delaware -- Nobuhisa Kobayashi, PhD, Center for Applied Coastal Research, University of Delaware. Independent reviewer.

8.2 Listing of Agencies and Persons Consulted

Federal Agencies

U.S. Army Corps of Engineers Philadelphia District
- Michael Landis, Chief of Operations
- Peter Blum, Chief of Planning
- Edward Bonner, Chief, Regulatory Branch
- Dan Kelly, Operations Section
- Timothy Kelly, Operations Section
- Timothy Rooney, Operations Section
- Daniel Caprioli, Planning Section
- Barbara Conlin, Planning Section
- John Brundage, Regulatory Branch

U.S. Army Corps of Engineers, Deep Draft Navigation Planning Center

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Services
- Keith Hanson, Marine Habitat Resource Specialist
- Peter Johnsen, Fisheries Biologist

U.S. Department of Interior, U.S. Fish and Wildlife Service
- Kathleen Cullen

U.S. Environmental Protection Agency

State Agencies

Delaware Department of Natural Resources and Environmental Control
- Steve Smailer, Program Administrator, Division of Water
- John Cargill, Hydrologist, Division of Waste and Hazardous Substances, Division of Watershed Stewardship

Tyler Brown, Wetlands and Subaqueous Lands Section Program Manager, Division of Water

Michael Stangl, Program Manager, Division of Fish and Wildlife
David Fees, Director, Division of Air Quality
Valerie Gray, Planning Supervisor, Division of Air Quality

Delaware Department of State Division of Historical and Cultural Affairs
Craig Lukezic, State Historic Preservation Office

Persons Consulted

Gene Bailey Executive Director, Diamond State Port Corporation

Eric Casey, Chief Operation Officer, GT USA Wilmington LLC
Randall Horne, P.E., Port Engineer, GT USA Wilmington LLC

9.0 REFERENCES

IAC Acoustics. *Comparative Examples of Noise Levels.* 2019. https://www.industrialnoisecontrol.com/comparative-noise-examples.htm

I-hung Khoo & Tang-hung Nguyen. *Study of the Noise Pollution at Container Terminals and the Surroundings*. 2011. https://www.metrans.org/sites/default/files/research-project/09-09_Khoo_METRANS_final_report_0_0.pdf

New Castle County, Delaware – Code of Ordinances. Sec. 22.02.008-Noise control (July 31, 2019). https://library.municode.com/de/new_castle_county/codes/code_of_ordinances?nodeId=PTIICO_CH22OFMIPR_ART2OFGE_S22.02.008NOCO

U.S. DOT, Federal Highway Administration. *Public Roads: Living With Noise.* August, 2003. https://www.fhwa.dot.gov/publications/publicroads/03jul/06.cfm

USEPA, Office of Noise Abatement and Control. *Waterloo, Iowa Study, 1981*. https://apps.dtic.mil/dtic/tr/fulltext/u2/a107239.pdf

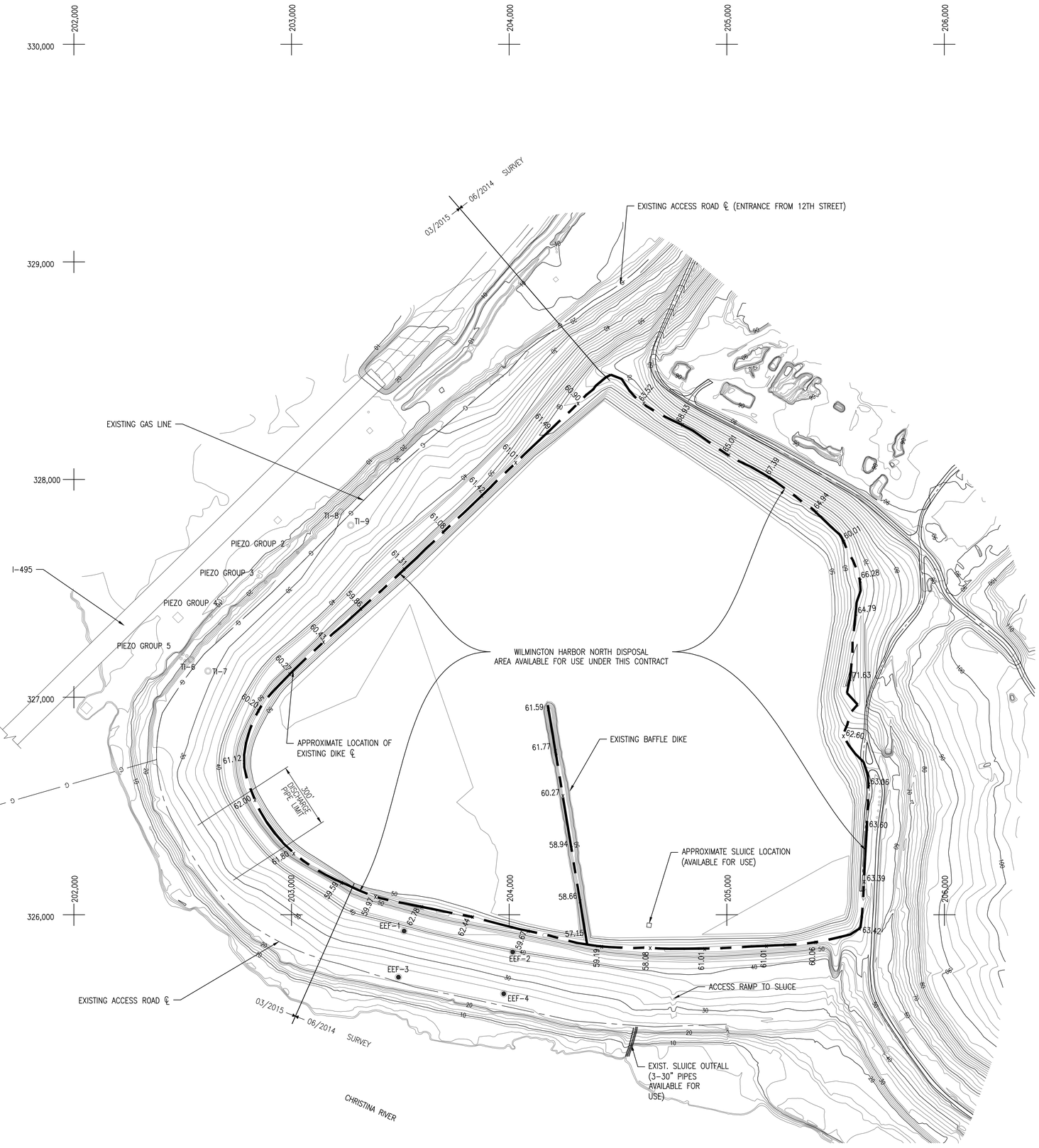
State of Delaware. *Title 7 Natural Resources & Environmental Control, 1149 Regulations Governing the Control of Noise.* http://regulations.delaware.gov/AdminCode/title7/1000/1100/1149.shtml

Council on Environmental Quality (CEQ). 1997. Environmental Justice Guidance Under the National Environmental Policy Act. Executive Office of the President. Washington, D.C. Online at: http://www.energy.gov/sites/prod/files/nepapub/nepa_documents/RedDont/G-CEQ-EJGuidance.pdf.

Delaware Estuary Regional Sediment Management Plan Workgroup (RSMW). 2013. Delaware Estuary Regional Sediment Management Plan. Online at https://www.state.nj.us/drbc/library/documents/RSMPaug2013final-report.pdf

Diamond State Port Corporation (DSPC), 2016. Strategic Master Plan.

US Army Corps of Engineers (USACE). 2013. Delaware Estuary Regional Sediment Management Plan White Paper: Dredging and Dredged Material Management. Online at: https://s3.amazonaws.com/delawareestuary/pdf/Regional%20Sediment%20Management%20Plan/Final%20Dredging%20and%20Dredged%20Material%20Management%20White%20Paper.pdf

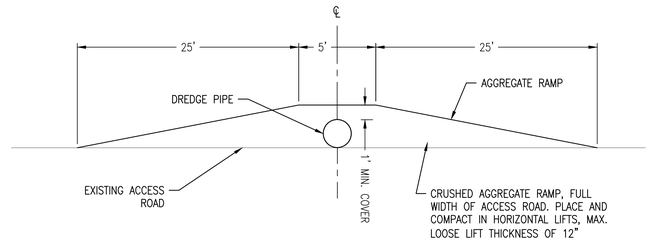


1 PLAN - WILMINGTON HARBOR NORTH DISPOSAL AREA

SCALE: AS SHOWN

200 0 200 400

SCALE IN FEET



2 DETAIL - DREDGE PIPE CROSSING

SCALE: NTS

INSTRUMENTATION		
INSTRUMENT #	NORTHING	EASTING
EEF-01	325,926.00	203,519.29
EEF-02	325,821.93	204,018.27
EEF-03	325,719.44	203,488.24
EEF-04	325,623.11	203,979.14
TI-6	327,164.44	202,546.98
TI-7	327,110.07	202,618.36
TI-8	327,839.01	203,222.50
TI-9	327,783.01	203,277.27
2P-01	327,707.79	203,069.94
2P-02	327,699.11	203,064.78
2P-04	327,732.52	203,042.38
3P-01	327,530.26	202,890.41
3P-02	327,525.60	202,883.89
3P-03	327,579.54	202,849.35
3P-04	327,575.24	202,843.67
4P-01	327,348.37	202,709.14
4P-02	327,355.62	202,712.60
4P-03	327,400.95	202,666.71
4P-04	327,396.25	202,664.13
5P-01	327,175.35	202,549.35
5P-02	327,165.59	202,542.49
5P-03	327,191.55	202,502.84
5P-04	327,208.15	202,516.54

DISPOSAL AREA NOTES:

1. SEE SHEET C-001 FOR GENERAL NOTES AND LEGEND
2. THE END OF ALL DISCHARGE PIPES SHALL BE LOCATED INSIDE THE DISPOSAL AREA LIMITS AS STATED IN THE SPECIFICATIONS. PIPE SHALL BE LOCATED SUCH THAT THE DISCHARGE DOES NOT SCOUR THE SLOPE FACE OR THE TOE-OR SLOPE IN THE VICINITY OF THE DISCHARGE AREA.
3. ANY REQUIRED BORROW FOR DIKING MATERIAL MAY BE OBTAINED FROM WITHIN THE DISPOSAL AREAS, BUT NOT CLOSER THAN 50 FEET FROM THE INSIDE TOE OF THE DIKE SECTIONS.
4. MAPPING COMPILED BY OPTIMAL GEOMATICS USING PHOTOGRAMMETRIC METHODS, AND CHECKED BY TVGA CONSULTANTS. AERIAL PHOTOGRAPHY FLOWN MAY 2007. THIS MAPPING COMPILED IN ACCORDANCE WITH (NMAS) NATIONAL MAP ACCURACY STANDARDS FOR MAPS AT 1 INCH EQUAL 200 FT. SCALE.
5. CONTRACTOR SHALL ENSURE THAT THE DREDGE DISCHARGE PIPE(S) IS PLACED WITHIN THE DISCHARGE PIPE LIMITS SHOWN. THE ENDS OF ALL DISCHARGE PIPES SHALL BE LOCATED INSIDE THE DISPOSAL AREA LIMITS A DISTANCE OF NOT LESS THAN 50 FEET FROM THE INTERIOR TOE OF THE CONTAINMENT DIKE MEASURED NORMAL TO THE DIKE CENTERLINE, UNLESS OTHERWISE NOTED.
6. SEE SPECIFICATIONS FOR DETAILS ON SUPPORTING DISCHARGE PIPE.
7. THE LOCATIONS OF THE EXISTING INSTRUMENTATION (I.E., INCLINOMETERS, PIEZOMETERS) ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE INSTRUMENTATION SHOWN USING THE COORDINATES PROVIDED IN THE TABLE ABOVE. IF CONTRACTOR IS UNABLE TO LOCATE THE EXISTING INSTRUMENTATION, THE CONTRACTING OFFICER REPRESENTATIVE (COR) SHALL BE NOTIFIED PRIOR TO BEGINNING WORK IN THAT AREA. THE CONTRACTOR SHALL NOT DISTURB EXISTING INSTRUMENTATION. ANY COSTS FOR REPAIR AND/OR REPLACEMENT OF INSTRUMENTATION SHALL BE INCURRED BY THE CONTRACTOR. DIKES SHALL NOT BE CUT WITHIN 100' OF EXISTING INSTRUMENTATION.
8. TOPOGRAPHY SHOWN IS BASED ON AERIAL PHOTOGRAPHY DATED FROM BY USACE FIELD SURVEYS DATED JUNE 2014 AND MARCH 2015. TOPOGRAPHY SHOWN CAN ONLY BE CONSIDERED INDICATIVE OF THE SITE CONDITIONS AS THEY EXISTED AT THE TIME OF EACH SURVEY. THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITES WHERE WORK IS TO BE PERFORMED TO ACQUAINT THEMSELVES WITH EXISTING CONDITIONS THAT COULD AFFECT PROJECT COST.
9. CONTROL: PROVIDED BY US ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT. COORDINATES SHOWN ARE EXPRESSED IN U.S. SURVEY FEET AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (HARN) – NEW JERSEY STATE PLANE ZONE 2900. ELEVATIONS SHOWN ARE EXPRESSED IN FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
10. DUE TO WORK SUBSEQUENT TO THE AERIAL IMAGERY AND HE SUPPLEMENTAL FIELD SURVEYS, THE CONTOURS SHOWN MAY NOT REFLECT THE ACTUAL TOP OF DIKE ELEVATION OBTAINED FROM THE DECEMBER 2015 SURVEY.
11. FOR ROAD CROSSING DETAIL, SEE 2/C-401 (THIS SHEET).
12. THERE IS AN EXISTING GAS LINE APPROXIMATELY LOCATED WITHIN THE LIMITS OF THE EXISTING ACCESS ROAD ALONG THE NORTHWEST DIKE. USE CAUTION WHEN WORKING IN THIS LOCATION. THE EXISTING GAS LINE IS GENERALLY LOCATED ALONG THE CENTERLINE OF THE EXISTING ACCESS ROAD, AT A DEPTH OF AT LEAST 5 FEET BELOW EXISTING GRADE.

US Army Corps of Engineers
Philadelphia District

MARK	REVISION	BY	DATE
1	-	-	-
2	-	-	-
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5	-	-	-
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7	-	-	-
8	-	-	-

DESIGNED BY: SSP	ISSUE/RELEASE DATE: 100% RTA 27 APR 2017	SOLICITATION NUMBER: W912BV20-17-B-0013	
DRAWN BY: SSP	REVIEWED BY: DAS	PROJ. NUMBER:	
CHKD BY: DAS	APPROVED BY: DAS	CONTRACT NUMBER:	
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT 100 PENN SQUARE EAST PHILADELPHIA, PA 19107-3390 www.nap.usace.army.mil		DWG SCALE: 1"=200'	FILE NAME: PLAN WILMINGTON HARBOR NORTH DISPOSAL AREA.dgn
		DWG. SIZE: 30"X42" ANSI D	

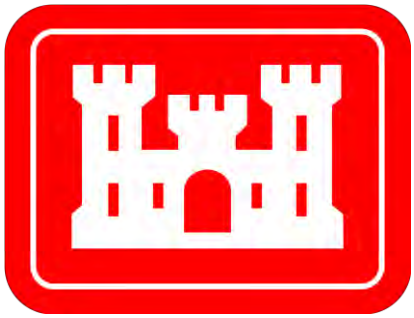
WILMINGTON HARBOR
CHRISTINA RIVER, DELAWARE
MAINTENANCE DREDGING

PLAN - WILMINGTON HARBOR NORTH DISPOSAL AREA

SHEET NUMBER
C-401

Wilmington Harbor North Confined Dredge Material Facility

Phase I Site Assessment



US Army Corps of Engineers

Philadelphia District

July 22, 2016

Summary

The US Army Corps of Engineers Philadelphia District (NAP) has determined that the Wilmington Harbor North Confined Dredge Material Facility (WHN CDF) is no longer suitable for continued dredge material operations, once the existing current capacity is utilized. The District has determined that the facility can be transferred to the Delaware Solid Waste Authority (DSWA) for its improvement and use as a municipal landfill.

The NAP Operations Division (OPS) requested that the Engineering-Construction Branch Geo-Environmental Section (EC-EV) to prepare a Phase I Site Investigation Report to support the transfer of the property. An Environmental Data Review packet ordered from EDR of Shelton, CT. This report is based upon the information provided by EDR as well as District knowledge of the facility.

The results of the Phase 1 investigation indicate that the Wilmington Harbor North facility was a marshland prior to its past and current use as a confined dredge material disposal area and the report did not reveal any environmental concerns. There is no environmental reason that the facility cannot be transferred to the Delaware Solid Waste Authority.

Site Physical Location and Associated Information

Target Property Map: 6049807 WILMINGTON SOUTH, DE

USGS TOPOGRAPHIC MAP
Elevation: 28 ft. above sea level
UTM Y (Meters): 4397343.5
UTM X (Meters): 455175.3
Universal Tranverse Mercator: Zone 18
Longitude (West): 75.523033 - 75° 31’ 22.92’’
Latitude (North): 39.726683 - 39° 43’ 36.06’’

TARGET PROPERTY COORDINATES
WILMINGTON, DE 19801
12ST AND HAY RD
WILMINGTON HARBOR NORTH

FEMA FLOOD ZONE
FEMA Flood NEW CASTLE,
Target Property County Electronic Data DE YES - refer to the Overview Map and Detail Map

NATIONAL WETLAND INVENTORY
NWI Electronic WILMINGTON SOUTH
NWI Quad at Target Property Data Coverage YES - refer to the Overview Map and Detail Map

TOPOGRAPHIC INFORMATION
USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.
Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION
Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal
Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.
NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.
State Wetlands Data: Statewide Wetlands Mapping Project
Source: Dept. of Natural Resources & Environmental Conservation
Telephone: 302-739-4691

HYDROGEOLOGIC INFORMATION
AQUIFLOW R Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION
Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).
STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.
SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of

mapping is designed for use by landowners, townships and county natural resource planning and management.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS
PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.
PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).
USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS
Delaware Water Well Data
Source: Department of Natural Resources and Environmental Conservation
Telephone: 302-739-4860

OTHER STATE DATABASE INFORMATION

RADON
State Database: DE Radon
Source: Division of Public Health
Telephone: 302-739-4731
Radon Screening Survey of Private Dwellings
Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.
EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

EPA Region 3 Statistical Summary Readings
Source: Region 3 EPA
Telephone: 215-814-2082
Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER
Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656
Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration
Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

Site History

The WHN CDF was constructed beginning in 1914 to support navigation channel dredged material disposal needs for the local stretch of the Delaware River and Christian River. The property is approximately 150 acres in size and is bordered by the Delaware River to the east, the Christiana River to the south, US Interstate Route 495 to the west and the Cherry Island Delaware Solid Waste Authority Landfill to the north. The local area is primarily industrial in use. See Figure 1.

Historical Topographic Mapping

Topographic mapping of the area including the WHN CDF included mapping dated:

- 1904;
- 1906;
- 1919;
- 1948;
- 1951;
- 1967;
- 1986;
- 1987;
- 1993
- 1995;
- 1997;
- 2013; and
- 2014.

The 1904 and 1906 Wilmington topographical maps listed the area of the WHN CDF as "Cherry Island Marsh" and shows some roads and a rail line is in evidence. The 1919 map shows the area as land, on the western side and some marshland along the Delaware River.

The 1948 topographical map clearly shows the area as having a spoils pile and dike system. Later mapping shows more development of the surrounding area. No structures were shown within the WHN CDF in any of the topographical maps. The mapping is contained in the EDR report include as an appendix to this report.

The 1967 mapping delineates the propose alignment for current route US 495 with later mapping showing the highway as constructed.

Historical Aerial Photography

Aerial photography for the area including the WHN CDF included photos dated:

- 1940;
- 1954;
- 1962;
- 1965;
- 1970;
- 1974;
- 1982;
- 1984;
- 1991;
- 1992;
- 1998;
- 2002;
- 2006;
- 2008;
- 2009;
- 2010; and
- 2011.

The 1940 aerial photography shows the primary area of the WHN CDF and its general configuration. Subsequent photos show essentially the same area and configuration with little noticeable changes over the years other than dike raising and configuration. The photography is contained in the EDR report include as an appendix to this report.

Historical Sanborn Mapping

Sanborn maps were developed for fire insurance purposes. There was no Sanborn mapping for the area including the WHN CDF, indicating that there were no structures at the facility during the time of such mapping. The mapping report is contained in the EDR report include as an appendix to this report.

Environmental Database Search Returns

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13). The EDR database reporting searches a one mile radius of the property address for federal and state information on properties, permits, releases, etc. A total of 27 entities were found in the searches. The WHN CDF was not among the entities. The database searches included:

STANDARD ENVIRONMENTAL RECORDS
Federal NPL site list
Proposed NPL Proposed National Priority List Sites
NPL LIENS Federal Superfund Liens
Federal Delisted NPL site list
Delisted NPL National Priority List Deletions
Federal CERCLIS list
FEDERAL FACILITY Federal Facility Site Information listing
SEMS Superfund Enterprise Management System
Federal CERCLIS NFRAP site list
SEMS-ARCHIVE Superfund Enterprise Management System Archive
Federal RCRA CORRACTS facilities list
CORRACTS Corrective Action Report
Federal RCRA non-CORRACTS TSD facilities list
RCRA-TSDF RCRA - Treatment, Storage and Disposal
Federal RCRA generators list
RCRA-LQG RCRA - Large Quantity Generators
RCRA-SQG RCRA - Small Quantity Generators
RCRA-CESQG RCRA - Conditionally Exempt Small Quantity Generator
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US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls

Federal ERNS list

ERNS Emergency Response Notification System

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State and tribal leaking storage tank lists
LAST Leaking Aboveground Storage Tank Sites
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INST CONTROL All Sites with Deed Restrictions
State and tribal voluntary cleanup sites
INDIAN VCP Voluntary Cleanup Priority Listing
VCP Voluntary Cleanup Program Sites

State and tribal Brownfields sites
BROWNFIELDS Certified Brownfields

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US FIN ASSUR Financial Assurance Information
EPA WATCH LIST EPA WATCH LIST
2020 COR ACTION 2020 Corrective Action Program List
TSCA Toxic Substances Control Act
TRIS Toxic Chemical Release Inventory System
SSTS Section 7 Tracking Systems

RMP Risk Management Plans
RAATS RCRA Administrative Action Tracking System
PRP Potentially Responsible Parties
PADS PCB Activity Database System
ICIS Integrated Compliance Information System
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
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UMTRA Uranium Mill Tailings Sites
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AIRS Air Emissions Listing
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ENF Notice of Violations
Financial Assurance Financial Assurance Information Listing
NPDES Wastewater Permit Listing
TIER 2 Tier 2 Facility Listing
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EDR RECOVERED GOVERNMENT ARCHIVES
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RGA HWS Recovered Government Archive State Hazardous Waste Facilities List
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SURROUNDING SITES: SEARCH RESULTS
Surrounding sites were identified in the following databases.
Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases. Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS
Federal NPL site list
NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA. A review of the NPL list, as provided by EDR, and dated 03/07/2016 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation Address Direction / Distance Map ID Page
HALBY CHEMICAL CO. 600 TERMINAL AVE WSW 1/2 - 1 (0.847 mi.) 0 8
State- and tribal - equivalent CERCLIS
SHWS: Hazardous Substance Release Sites.
SHWS sites within approximately 1 mile of the target property.

Lower Elevation Address Direction /Distance Map ID Page
SALVAGE YARD RELOCAT SW OF I-495 & 12TH S N 1/4 - 1/2 (0.419 mi.) 2 42
Facility Id: 10056509
Prog ID: DE-1166

SHELLPOT CREEK INITI 400 HAY ROAD NE 1/2 - 1 (0.519 mi.) 3 43A review of the SHWS list, as provided by EDR, and dated 05/16/2016 has revealed that there are 25 Facility Id: 10063629
Prog ID: DE-0026
Prog ID: DE-1380

UP THE CREEK RESTAUR 1195 EAST 7TH STREET NW 1/2 - 1 (0.587 mi.) A4 46
Facility Id: 10153131
Prog ID: DE-1384

1190 E. 7TH ST 1190 EAST 7TH STREET NW 1/2 - 1 (0.604 mi.) A5 47
Facility Id: 10154212
Prog ID: DE-1410

CITY OF WILM. MARINE TERMINAL AVENUE S 1/2 - 1 (0.651 mi.) 6 48

Facility Id: 10056569
Prog ID: DE-0099

EAST 7TH ST PENINSUL 7TH STREET NNW 1/2 - 1 (0.656 mi.) 7 49
Facility Id: 10056529
Prog ID: DE-1127

EAST 7TH ST PENINSUL EAST 7TH STREET PENI NNW 1/2 - 1 (0.698 mi.) 8 50
Facility Id: 10056529
Prog ID: DE-1148

DP&L SUBSTATION/ DUP SOUTH WILMINGTON W 1/2 - 1 (0.715 mi.) 9 51
Facility Id: 10056264
Prog ID: DE-1074

SIEMENS INDUSTRY, IN 1020 CHRISTINA AVE SW 1/2 - 1 (0.724 mi.) 10 52
Facility Id: 10163537
Prog ID: DE-1431

VETS WELDING/EAST 7T 800 INDUSTRIAL STREE NNW 1/2 - 1 (0.797 mi.) 11 57
Facility Id: 10056123
Prog ID: DE-1254

FORMER STRAIGHT LINE 701 CHRISTINA AVENUE SW 1/2 - 1 (0.801 mi.) 12 57
Facility Id: 10374236
Prog ID: DE-1488

CHRISTINA MARINA 500 INDUSTRIAL STREE NW 1/2 - 1 (0.816 mi.) 13 58
Facility Id: 10024821
Facility Id: 10057748
Prog ID: DE-1293
Prog ID: DE-1328

EASTSIDE/SOUTH WILMI CHRISTINA AVENUE WNW 1/2 - 1 (0.817 mi.) 14 61
Facility Id: 10056571
Prog ID: DE-1052

PORT OF WILM - NORTH PORT OF WILMINGTON M SSW 1/2 - 1 (0.825 mi.) 15 63
Facility Id: 10153008
Prog ID: DE-0230

TRI-STATE E. 7TH STR INDUSTRIAL STREET & NNW 1/2 - 1 (0.834 mi.) 16 64
Facility Id: 10056206
Prog ID: DE-1216

DP&L/ CONGO MARSH CHRISTINA AVENUE W 1/2 - 1 (0.845 mi.) 17 65

Facility Id: 10056263
Prog ID: DE-1073
N Prog ID: DE-1191

PENINSULA PARK LLC INDUSTRIAL STREET NNW 1/2 - 1 (0.854 mi.) 19 67
Facility Id: 10056420
Prog ID: DE-1147
721 TERMINAL AVENUE 721 TERMINAL AVENUE SW 1/2 - 1 (0.866 mi.) B20 70
Facility Id: 10715218
Prog ID: DE-1558

HALBY CHEMICAL 600 TERMINAL AVENUE SW 1/2 - 1 (0.868 mi.) B21 71
Facility Id: 10054300
Prog ID: DE-0067

FORMER NEW ARC WELDI 30 COMMERCE STREET NW 1/2 - 1 (0.895 mi.) 22 72
Facility Id: 10058799
Prog ID: DE-1345

DCI PROPERTY COMMERCE STREET NW 1/2 - 1 (0.920 mi.) C23 75
Facility Id: 10056232
Prog ID: DE-1104

COMMERCE STREET COMMERCE STREET NW 1/2 - 1 (0.920 mi.) C24 77
Facility Id: 10056575
Prog ID: DE-1072

EAST 7TH ST PENINSUL 7TH STREET NW 1/2 - 1 (0.949 mi.) 25 78
Facility Id: 10056529
Prog ID: DE-1128

560 TERMINAL AVE 560 TERMINAL AVENUE WSW 1/2 - 1 (0.969 mi.) 26 80
Facility Id: 10056428
Prog ID: DE-1123

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists
US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs. A review of the US BROWNFIELDS list, as provided by EDR, and dated 03/21/2016 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.
Lower Elevation Address Direction /Distance Map ID Page

SALVAGE YARD RELOCAT INTERSECTION OF 12TH NNW 1/4 - 1/2 (0.333 mi.) 1 40RDA HALBY WSW 1/2 - 1 (0.850 mi.) 18 66

Other Ascertainable Records
ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.
A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation Address Direction /Distance Map ID Page
HALBY CHEMICAL CO. 600 TERMINAL AVE WSW 1/2 - 1 (0.847 mi.) 0 8
CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters. A review of the CONSENT list, as provided by EDR, and dated 12/31/2014 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higher Elevation Address Direction /Distance Map ID Page
HALBY CHEMICAL CO. 600 TERMINAL AVE WSW 1/2 - 1 (0.847 mi.) 0 8

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.
Site Name Database(s)
12TH STREET DUMP SITE (AKA 12TH ST SEMS-ARCHIVE, PRP, ICIS, FINDS, ECHO
A AND TOWNSEND STREETS SHWS, INST CONTROL
PENINSULA VENTURES SHWS, INST CONTROL
CONECTIV HAY ROAD SITE EDR MGP

The results of the databases searches showed the WHN CDF was not listed in any of the databases.

City Directory

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

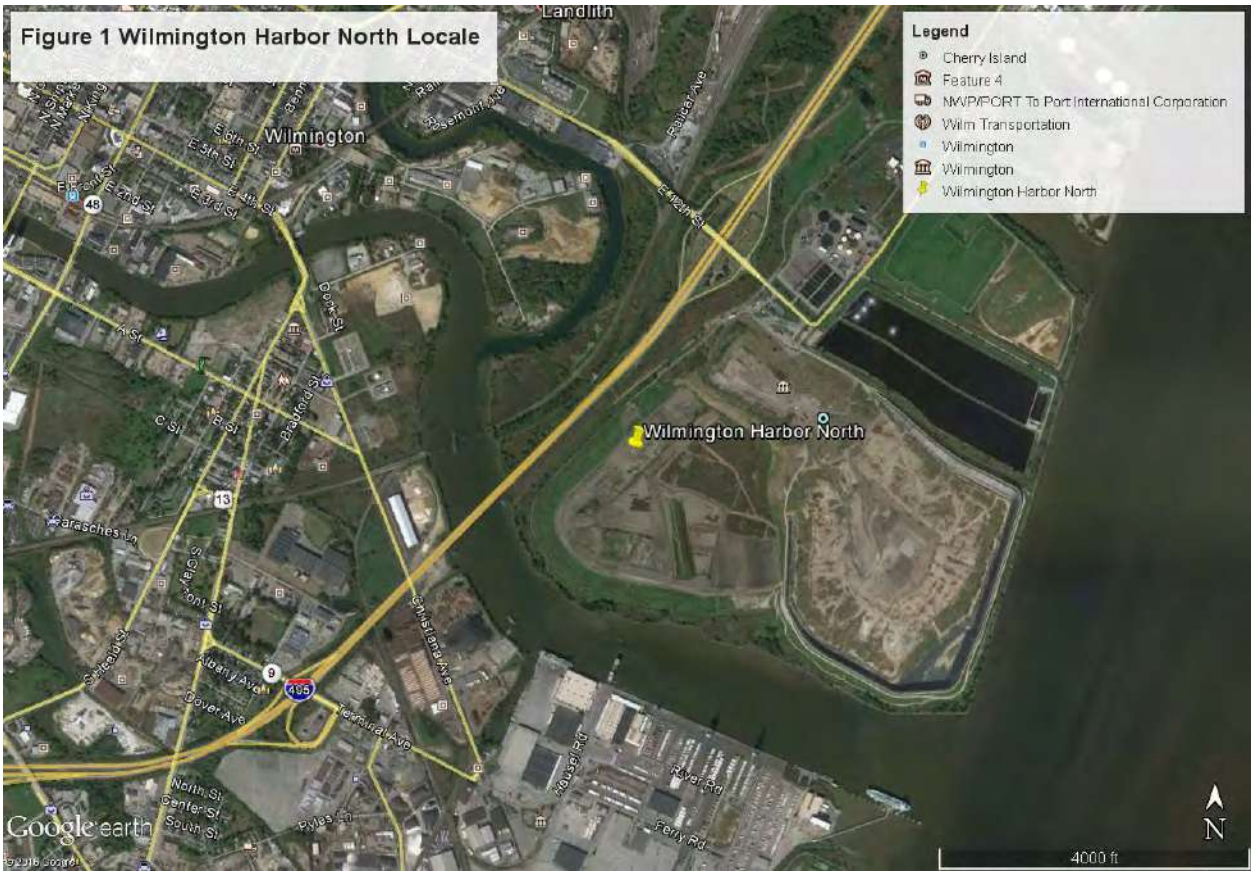
The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report. The streets used in the City Directory report were East 12th Street and Hay Road.

Year	*Target Street*		*Cross Street Source*
2013	☑	☐	Cole Information Services
2008	☑	☐	Cole Information Services

2003	☑	☐	Cole Information Services
1999	☑	☐	Cole Information Services
1995	☑	☐	Cole Information Services
1992	☑	☐	Cole Information Services
1983	☑	☐	Polk's City Directory
1982	☑	☐	Polk's City Directory
1978	☑	☐	Polk's City Directory
1973	☑	☐	Polk's City Directory
1968	☑	☐	Polk's City Directory
1964	☑	☐	Polk's City Directory

Figure 1

Area Map of Wilmington Harbor North Locale



Wilmington Harbor North
12st and Hay Rd
Wilmington, DE 19801

Inquiry Number: 4674928.2s
July 15, 2016

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
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Orphan Summary	82
Government Records Searched/Data Currency Tracking	GR-1

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Physical Setting Source Summary	A-2
Physical Setting Source Map	A-22
Physical Setting Source Map Findings	A-23
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

12ST AND HAY RD
WILMINGTON, DE 19801

COORDINATES

Latitude (North):	39.7266830 - 39° 43' 36.05''
Longitude (West):	75.5230330 - 75° 31' 22.91''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	455175.3
UTM Y (Meters):	4397343.5
Elevation:	28 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6049807 WILMINGTON SOUTH, DE
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150724
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
12ST AND HAY RD
WILMINGTON, DE 19801

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	HALBY CHEMICAL CO.	600 TERMINAL AVE	NPL, SEMS, US ENG CONTROLS, US INST CONTROL, UST,...	Same	4472, 0.847, WSW
1	SALVAGE YARD RELOCAT	INTERSECTION OF 12TH	US BROWNFIELDS	Lower	1760, 0.333, NNW
2	SALVAGE YARD RELOCAT	SW OF I-495 & 12TH S	SHWS	Lower	2210, 0.419, North
3	SHELLPOT CREEK INITI	400 HAY ROAD	SHWS, INST CONTROL, VCP	Lower	2742, 0.519, NE
A4	UP THE CREEK RESTAUR	1195 EAST 7TH STREET	SHWS, INST CONTROL	Lower	3101, 0.587, NW
A5	1190 E. 7TH ST	1190 EAST 7TH STREET	SHWS, BROWNFIELDS	Lower	3187, 0.604, NW
6	CITY OF WILM. MARINE	TERMINAL AVENUE	SHWS, INST CONTROL	Lower	3439, 0.651, South
7	EAST 7TH ST PENINSUL	7TH STREET	SHWS	Lower	3466, 0.656, NNW
8	EAST 7TH ST PENINSUL	EAST 7TH STREET PENI	SHWS	Lower	3687, 0.698, NNW
9	DP&L SUBSTATION/ DUP	SOUTH WILMINGTON	SHWS	Lower	3775, 0.715, West
10	SIEMENS INDUSTRY, IN	1020 CHRISTINA AVE	SHWS, INST CONTROL, TIER 2	Lower	3822, 0.724, SW
11	VETS WELDING/EAST 7T	800 INDUSTRIAL STREE	SHWS	Lower	4210, 0.797, NNW
12	FORMER STRAIGHT LINE	701 CHRISTINA AVENUE	SHWS, INST CONTROL	Lower	4228, 0.801, SW
13	CHRISTINA MARINA	500 INDUSTRIAL STREE	SHWS, INST CONTROL, VCP, BROWNFIELDS	Lower	4311, 0.816, NW
14	EASTSIDE/SOUTH WILMI	CHRISTINA AVENUE	SHWS, INST CONTROL	Lower	4313, 0.817, WNW
15	PORT OF WILM - NORTH	PORT OF WILMINGTON M	SHWS, VCP	Lower	4355, 0.825, SSW
16	TRI-STATE E. 7TH STR	INDUSTRIAL STREET &	SHWS	Lower	4402, 0.834, NNW
17	DP&L/ CONGO MARSH	CHRISTINA AVENUE	SHWS	Lower	4463, 0.845, West
18	NRDA HALBY		SHWS	Lower	4486, 0.850, WSW
19	PENINSULA PARK LLC	INDUSTRIAL STREET	SHWS, INST CONTROL, VCP	Lower	4511, 0.854, NNW
B20	721 TERMINAL AVENUE	721 TERMINAL AVENUE	SHWS, BROWNFIELDS	Lower	4573, 0.866, SW
B21	HALBY CHEMICAL	600 TERMINAL AVENUE	SHWS, INST CONTROL	Lower	4583, 0.868, SW
22	FORMER NEW ARC WELDI	30 COMMERCE STREET	SHWS, VCP, AIRS, TIER 2	Lower	4723, 0.895, NW
C23	DCI PROPERTY	COMMERCE STREET	SHWS	Lower	4855, 0.920, NW
C24	COMMERCE STREET	COMMERCE STREET	SHWS	Lower	4855, 0.920, NW
25	EAST 7TH ST PENINSUL	7TH STREET	SHWS	Lower	5011, 0.949, NW
26	560 TERMINAL AVE	560 TERMINAL AVENUE	SHWS, INST CONTROL, VCP, BROWNFIELDS	Lower	5115, 0.969, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

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LUST ---------- Leaking Underground Storage Tank Project Listing
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
UST ---------- Underground Storage Tank Database
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VCP ---------- Voluntary Cleanup Program Sites

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SWRCY ---------- Recyclers Directory
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
US CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System

SPILLS ---------- Environmental Release Notification System

Other Ascertainable Records

RCRA NonGen / NLR ---------- RCRA - Non Generators / No Longer Regulated
FUDS ---------- Formerly Used Defense Sites
DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
2020 COR ACTION ---------- 2020 Corrective Action Program List
TSCA ---------- Toxic Substances Control Act
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UMTRA ---------- Uranium Mill Tailings Sites
LEAD SMELTERS ---------- Lead Smelter Sites
US AIRS ---------- Aerometric Information Retrieval System Facility Subsystem
US MINES ---------- Mines Master Index File
FINDS ---------- Facility Index System/Facility Registry System
DOCKET HWC ---------- Hazardous Waste Compliance Docket Listing
UXO ---------- Unexploded Ordnance Sites
AIRS ---------- Air Emissions Listing
DRYCLEANERS ---------- Drycleaner Facility Listing
ENF ---------- Notice of Violations
Financial Assurance ---------- Financial Assurance Information Listing
NPDES ---------- Wastewater Permit Listing
TIER 2 ---------- Tier 2 Facility Listing
UIC ---------- Underground Injection Wells Inventory Listing
FUELS PROGRAM ---------- EPA Fuels Program Registered Listing
ECHO ---------- Enforcement & Compliance History Information

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---------- EDR Exclusive Historic Gas Stations
EDR Hist Cleaner ---------- EDR Exclusive Historic Dry Cleaners

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS ..... Recovered Government Archive State Hazardous Waste Facilities List
RGA LF ..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

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Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 03/07/2016 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HALBY CHEMICAL CO.	***600 TERMINAL AVE***	***WSW 1/2 - 1 (0.847 mi.)***	***0***	***8***

State- and tribal - equivalent CERCLIS

SHWS: Hazardous Substance Release Sites.

A review of the SHWS list, as provided by EDR, and dated 05/16/2016 has revealed that there are 25 SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SALVAGE YARD RELOCAT Facility Id: 10056509 Prog ID: DE-1166	SW OF I-495 & 12TH S	N 1/4 - 1/2 (0.419 mi.)	2	42
SHELLPOT CREEK INITI Facility Id: 10056587	***400 HAY ROAD***	***NE 1/2 - 1 (0.519 mi.)***	***3***	***43***

Facility Id: 10063629 Prog ID: DE-0026 Prog ID: DE-1380				
UP THE CREEK RESTAUR Facility Id: 10153131 Prog ID: DE-1384	***1195 EAST 7TH STREET***	***NW 1/2 - 1 (0.587 mi.)***	***A4***	***46***
1190 E. 7TH ST Facility Id: 10154212 Prog ID: DE-1410	***1190 EAST 7TH STREET***	***NW 1/2 - 1 (0.604 mi.)***	***A5***	***47***
CITY OF WILM. MARINE Facility Id: 10056569 Prog ID: DE-0099	***TERMINAL AVENUE***	***S 1/2 - 1 (0.651 mi.)***	***6***	***48***
EAST 7TH ST PENINSUL Facility Id: 10056529 Prog ID: DE-1127	7TH STREET	NNW 1/2 - 1 (0.656 mi.)	7	49
EAST 7TH ST PENINSUL Facility Id: 10056529 Prog ID: DE-1148	EAST 7TH STREET PENI	NNW 1/2 - 1 (0.698 mi.)	8	50
DP&L SUBSTATION/ DUP Facility Id: 10056264 Prog ID: DE-1074	SOUTH WILMINGTON	W 1/2 - 1 (0.715 mi.)	9	51
SIEMENS INDUSTRY, IN Facility Id: 10163537 Prog ID: DE-1431	***1020 CHRISTINA AVE***	***SW 1/2 - 1 (0.724 mi.)***	***10***	***52***
VETS WELDING/EAST 7T Facility Id: 10056123 Prog ID: DE-1254	800 INDUSTRIAL STREE	NNW 1/2 - 1 (0.797 mi.)	11	57
FORMER STRAIGHT LINE Facility Id: 10374236 Prog ID: DE-1488	***701 CHRISTINA AVENUE***	***SW 1/2 - 1 (0.801 mi.)***	***12***	***57***
CHRISTINA MARINA Facility Id: 10024821 Facility Id: 10057748 Prog ID: DE-1293 Prog ID: DE-1328	***500 INDUSTRIAL STREE***	***NW 1/2 - 1 (0.816 mi.)***	***13***	***58***
EASTSIDE/SOUTH WILMI Facility Id: 10056571 Prog ID: DE-1052	***CHRISTINA AVENUE***	***WNW 1/2 - 1 (0.817 mi.)***	***14***	***61***
PORT OF WILM - NORTH Facility Id: 10153008 Prog ID: DE-0230	***PORT OF WILMINGTON M***	***SSW 1/2 - 1 (0.825 mi.)***	***15***	***63***
TRI-STATE E. 7TH STR Facility Id: 10056206 Prog ID: DE-1216	INDUSTRIAL STREET &	NNW 1/2 - 1 (0.834 mi.)	16	64
DP&L/ CONGO MARSH Facility Id: 10056263 Prog ID: DE-1073	CHRISTINA AVENUE	W 1/2 - 1 (0.845 mi.)	17	65
NRDA HALBY Facility Id: 10056197		WSW 1/2 - 1 (0.850 mi.)	18	66

Prog ID: DE-1191				
PENINSULA PARK LLC Facility Id: 10056420 Prog ID: DE-1147	***INDUSTRIAL STREET***	***NNW 1/2 - 1 (0.854 mi.)***	***19***	***67***
721 TERMINAL AVENUE Facility Id: 10715218 Prog ID: DE-1558	***721 TERMINAL AVENUE***	***SW 1/2 - 1 (0.866 mi.)***	***B20***	***70***
HALBY CHEMICAL Facility Id: 10054300 Prog ID: DE-0067	***600 TERMINAL AVENUE***	***SW 1/2 - 1 (0.868 mi.)***	***B21***	***71***
FORMER NEW ARC WELDI Facility Id: 10058799 Prog ID: DE-1345	***30 COMMERCE STREET***	***NW 1/2 - 1 (0.895 mi.)***	***22***	***72***
DCI PROPERTY Facility Id: 10056232 Prog ID: DE-1104	COMMERCE STREET	NW 1/2 - 1 (0.920 mi.)	C23	75
COMMERCE STREET Facility Id: 10056575 Prog ID: DE-1072	COMMERCE STREET	NW 1/2 - 1 (0.920 mi.)	C24	77
EAST 7TH ST PENINSUL Facility Id: 10056529 Prog ID: DE-1128	7TH STREET	NW 1/2 - 1 (0.949 mi.)	25	78
560 TERMINAL AVE Facility Id: 10056428 Prog ID: DE-1123	***560 TERMINAL AVENUE***	***WSW 1/2 - 1 (0.969 mi.)***	***26***	***80***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 03/21/2016 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SALVAGE YARD RELOCAT	INTERSECTION OF 12TH	NNW 1/4 - 1/2 (0.333 mi.)	1	40

Other Ascertainable Records

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD

site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HALBY CHEMICAL CO.	*600 TERMINAL AVE*	*WSW 1/2 - 1 (0.847 mi.)*	*0*	*8*

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 12/31/2014 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

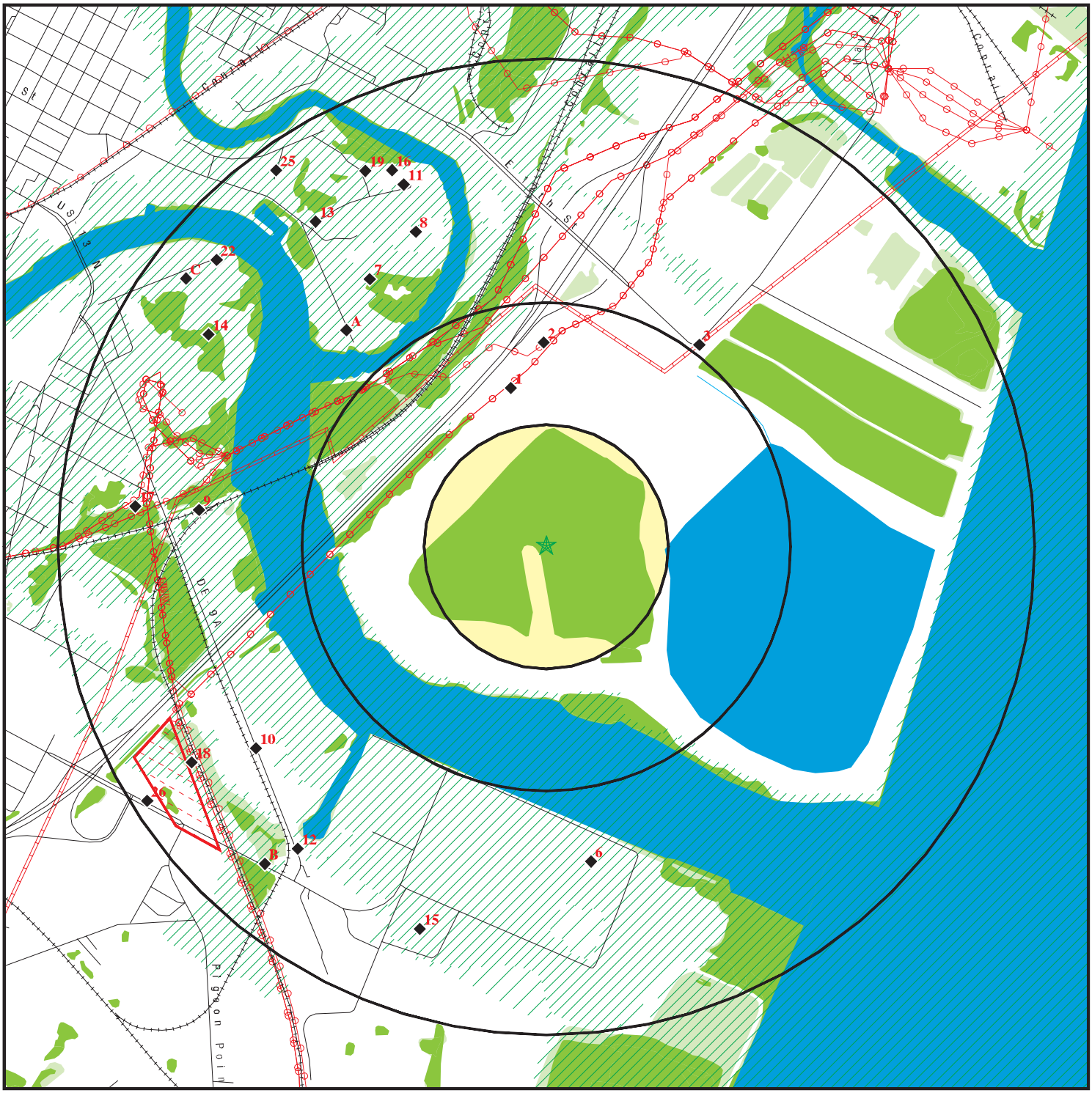
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HALBY CHEMICAL CO.	*600 TERMINAL AVE*	*WSW 1/2 - 1 (0.847 mi.)*	*0*	*8*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
12TH STREET DUMP SITE (AKA 12TH ST	SEMS-ARCHIVE, PRP, ICIS, FINDS, ECHO
A AND TOWNSEND STREETS	SHWS, INST CONTROL
PENINSULA VENTURES	SHWS, INST CONTROL
CONECTIV HAY ROAD SITE	EDR MGP

OVERVIEW MAP - 4674928.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Wilmington Harbor North ADDRESS: 12st and Hay Rd Wilmington DE 19801 LAT/LONG: 39.726683 / 75.523033	CLIENT: U.S. Army Corps of Engineers CONTACT: William Harris INQUIRY #: 4674928.2s DATE: July 15, 2016 1:16 pm

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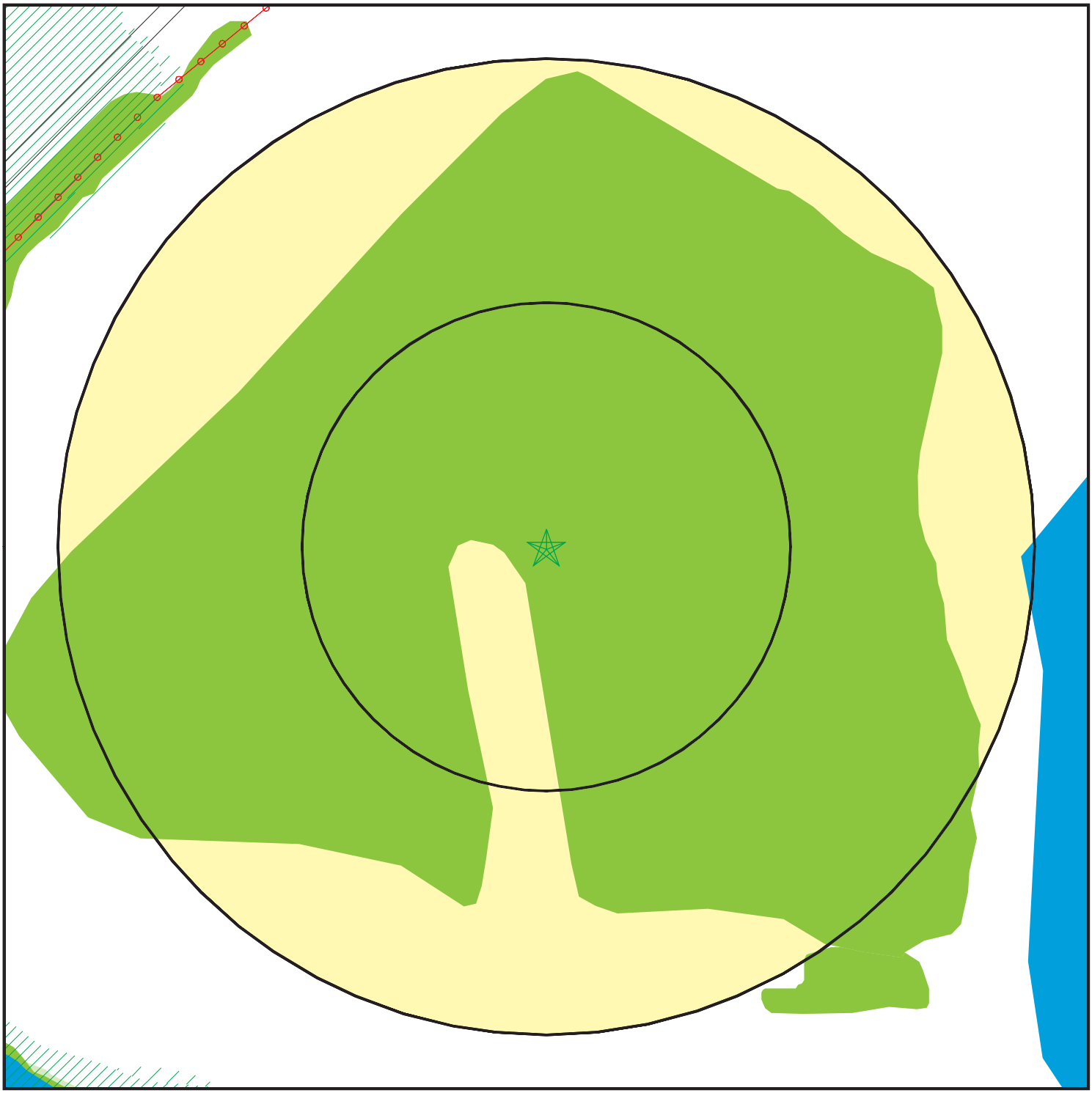
DETAIL MAP - 4674928.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Wilmington Harbor North	CLIENT:	U.S. Army Corps of Engineers
ADDRESS:	12st and Hay Rd Wilmington DE 19801	CONTACT:	William Harris
LAT/LONG:	39.726683 / 75.523033	INQUIRY #:	4674928.2s
		DATE:	July 15, 2016 1:17 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	1	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	1	24	NR	25
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ROD	1.000		0	0	0	1	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	1	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	2	27	0	29

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

NPL **HALBY CHEMICAL CO.** **NPL 1000165424**
Region **600 TERMINAL AVE** **SEMS DED980830954**
WSW **NEW CASTLE, DE 19720** **US ENG CONTROLS**
1/2-1 **US INST CONTROL**
4472 ft. **UST**
ROD
PRP
CONSENT

NPL:

EPA ID:	DED980830954
Cerclis ID:	300125
EPA Region:	3
Federal:	N
Final Date:	1986-06-10 00:00:00
Site Score:	30.899999999999999
Latitude:	39.718609999999998
Longitude:	-75.537210000000002

Category Details:

NPL Status:	Currently on the Final NPL
Category Description:	Depth To Aquifer-<= 10 Feet
Category Value:	10

NPL Status:	Currently on the Final NPL
Category Description:	Distance To Nearest Population-0 Miles (On Site)
Category Value:	0

Site Details:

Site Name:	HALBY CHEMICAL CO.
Site Status:	Final
Site Zip:	19720
Site City:	NEW CASTLE
Site State:	DE
Federal Site:	No
Site County:	NEW CASTLE
EPA Region:	03
Date Proposed:	09/18/85
Date Deleted:	Not reported
Date Finalized:	06/10/86

Substance Details:

NPL Status:	Currently on the Final NPL
Substance ID:	Not reported
Substance:	Not reported
CAS #:	Not reported
Pathway:	Not reported
Scoring:	Not reported

NPL Status:	Currently on the Final NPL
Substance ID:	A005
Substance:	ARSENIC AND COMPOUNDS
CAS #:	Not reported
Pathway:	GROUND WATER PATHWAY
Scoring:	3

NPL Status:	Currently on the Final NPL
Substance ID:	A005

HALBY CHEMICAL CO. (Continued) **1000165424**

Substance: ARSENIC AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: A020
Substance: CHROMIUM AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C049
Substance: ETHYLBENZENE
CAS #: 100-41-4
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C178
Substance: COPPER AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C247
Substance: ZINC AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C558
Substance: THIOCYANATE
CAS #: 302-04-5
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: D006
Substance: CADMIUM (CD)
CAS #: 7440-43-9
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: D008
Substance: LEAD (PB)
CAS #: 7439-92-1
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: P022
Substance: CARBON DISULFIDE

HALBY CHEMICAL CO. (Continued) **1000165424**

CAS #: 75-15-0
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: P030
Substance: CYANIDES (SOLUBLE SALTS)
CAS #: Not reported
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U210
Substance: TETRACHLOROETHENE
CAS #: 127-18-4
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: U220
Substance: TOLUENE
CAS #: 108-88-3
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: U226
Substance: TRICHLOROETHANE, 1,1,1-
CAS #: 71-55-6
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: U228
Substance: TRICHLOROETHYLENE (TCE)
CAS #: 79-01-6
Pathway: NO PATHWAY INDICATED
Scoring: 1

Summary Details:

Conditions at proposal September 18, 1985): Halby Chemical Co. was a manufacturing facility in New Castle, New Castle County, Delaware. Its primary product was ammonium thiocyanate. In the early 1970s, Witco Chemical Co. acquired the operation, then sold it to Brandywine Chemical Co. in 1977. Currently, Brandywine stores finished products for distribution on the site. From the late l940s to August l977, a waste water lagoon was in use behind the plant near the WilmingtonMarine Terminal in New Castle. The lagoon was approximately 2 feet deep, covered l.5 acres, and drained into the Lobdell Canal and the Christina River. High levels of various organic and inorganic substances, including trichloroethylene,tetrachloroethylene, arsenic, cyanide, and lead, are present in water and sediment samples from the lagoon, according to EPA tests. EPA detected thiocyanate in the ground water underlying the site. Four municipal wells are part of an interconnected system that supplies approximately 150,000 people living 2 to 3 miles from the site. Status June 10, 1986): EPA emergency staff has assessed the site and determined that an immediate removal action is not warranted at this time.

HALBY CHEMICAL CO. (Continued) **1000165424**

Site Status Details:
NPL Status: Final
Proposed Date: 09/18/1985
Final Date: 06/10/1986
Deleted Date: Not reported

Narratives Details:
NPL Name: HALBY CHEMICAL CO.
City: NEW CASTLE
State: DE

SEMS:
Site ID: 300125
EPA ID: DED980830954
Federal Facility: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0300125
EPA ID: DED980830954
Facility County: NEW CASTLE
Short Name: HALBY CHEMICAL CO
Congressional District: 01
IFMS ID: 03L7
SMSA Number: 0
USGC Hydro Unit: 02040205
Federal Facility: Not a Federal Facility
DMNSN Number: 25.00000
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: Not reported
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: P
EPA Region: 03
Classification: Chemical Plant
Site Settings Code: RU
NPL Status: Currently on the Final NPL
DMNSN Unit Code: ACRE
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Not reported
Non NPL Status Date: / /
Site Fips Code: 10003
CC Concurrence Date: 04/22/02
CC Concurrence FY: 2002
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):
Contact ID: 13001687.00000
Contact Name: Laura Mohollen

HALBY CHEMICAL CO. (Continued) **1000165424**

Contact Tel: (215) 814-3295
Contact Title: Remedial Project Manager (RPM)
Contact Email: Not reported

Contact ID: 3275953.00000
Contact Name: FRED MACMILLAN
Contact Tel: (215) 814-3201
Contact Title: Remedial Project Manager (RPM)
Contact Email: Not reported

Contact ID: 13004168.00000
Contact Name: VANCE EVANS
Contact Tel: (215) 814-5526
Contact Title: Community Involvement Coordinator
Contact Email: Not reported

Contact ID: 3000189.00000
Contact Name: MICHAEL T TOWLE
Contact Tel: (215) 814-3272
Contact Title: On-Scene Coordinator (OSC)
Contact Email: Not reported

CERCLIS Site Alias Name(s):
Alias ID: 101
Alias Name: HALBY CHEMICAL
Alias Address: Not reported
NEW CASTLE, DE
Alias ID: 102
Alias Name: HALBY CHEMICAL CO
Alias Address: Not reported
Not reported
Alias ID: 103
Alias Name: HALBY CHEMICAL CO.
Alias Address: 600 TERMINAL AVE
NEW CASTLE, DE 19720
Alias Comments: Not reported
Site Description: From 1948 to 1977, sulfur compounds were produced at the Halby Chemical Site. The three principal products produced were ammonium thiocyanate, ammonium thioglycolate and isooctyl thioglycolate. Other products and by-products included ammonium sulfide, sodium sulfide, sodium thiocyanate, sodium hydrosulfide, potassium thiocyanate, and monoethanolamine thioglycolate. From 1948 to 1964, all liquids from the Halby Chemical Plant flowed into the adjacent marsh (or lagoon). This unlined lagoon drained via the marsh into the Lobdell canal and from there into the Christina River. The liquids from the site included cooling water, surface water runoff and acid wastewater. According to one of the site owners, the acid wastewater was at a pH between 3 and 6 and contained: - 7% sodium chloride - Ferric chloride - 15% sodium bisulfide - Isopropyl ether - Ferrous sulfate - Isooctyl alcohol The acid wastewater flow from the plant was 6 to 7 gallons per minute (gpm). In the early 1960s, the acid wastewater was discharged into a pit, filled with limestone rocks, which partially neutralized it prior to its discharge into the lagoon. From 1964 to 1972, the acid wastewater was discharged to public (county) sewers and, reportedly, only cooling water entered the lagoon. In 1972, Halby Chemical Company merged with and became a part of the Argus Chemical Company, a wholly-owned subsidiary of the Witco Corporation. Witco assumed control of the plant and began experimenting with wastewater treatment schemes. By 1975, Witco was periodically diverting the

HALBY CHEMICAL CO. (Continued) **1000165424**

acid wastewater flow from the county sewer system to its pilot plant. The treated wastewater was discharged to the lagoon. A National Pollutant Discharge Elimination system (NPDES) permit was issued to Halby Chemical Company on July 1, 1977 to regulate discharges from the lagoon, which included cooling water and effluent from the process plant wastewater treatment plant, to nearby receiving waters (Lobdell canal). The permit regulated pH, total suspended solids, Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) in the lagoon effluent. The plant closed in August 1977 and the property was sold to Brandywine Chemical Company which receives bulk chemicals at the site and distributes them to end users. At some time between May 1977 and June 1983, the northwest bank of the lagoon was breached and the lagoon now drains through the drainage ditch along 1-495 to the Christina River with tidal fluctuations. According to property title records, a portion of the site (until 1969) and the adjacent properties (until 1974) were owned by the Pyrites Company. This company used the property to store pyrite ore. Pyrite ore is an iron sulfide (FeS2). Arsenic often replaces a sulfide molecule in the pyrite structure to form arsenopyrite (FeAsS) and the pyrite stored, on, the property reportedly contained arsenic. The pyrites Company removed iron from the ore and made sulfuric acid. A portion of the adjacent properties is now used to store petroleum coke and coal. Previous Investigation The area surrounding and including the Halby Chemical Site has been the focus of several investigations by the Environmental Protection Agency (EPA), the State of Delaware's Department of Natural Resources and Environmental control (DNREC), and the city of Wilmington. A principal source of background information on the site is the NUS Corporation's Site Inspection Report of the Halby Chemical Company, completed under a contract with EPA on January 10, 1986, The Delaware DNREC, in December 1983, prepared a Preliminary Assessment of the Halby Chemical site under the Emergency and Remedial Response Information System (ERRIS). In February 1985, a Preliminary Hydrogeologic Investigation at the salt piles along 1-495 was also prepared by the DNREC. The City of Wilmington commissioned a geotechnical investigation of the 1-495 bulk storage area. The report for this investigation was prepared in August, 1986. According to the 1983 Delaware DNREC Preliminary Assessment, nearby residents had complained about lagoon overflow, hydrogen sulfide-like odors in the vicinity of the site, and numerous spills. In March 1984, an EPA FIT III Team performed a Site Inspection (SI) of the facility. Odors were emanating from sediment samples taken from the on-site lagoon. Numerous drums and tanks were observed to be stored on the site. The soil around the drums was stained and several drums appeared to be leaking. A sample of the stained soil was taken. Analytical results for the samples collected during the SI showed high levels of the following organic and inorganic compounds: - Acetone - Naphthalene - Benzene - Chrysene - Ethylbenzene - Benzo(c)anthranthene - Chloroform - Acenaphthene - 1,1, -dichloroethane - Indeno (l,2,3, -cd) pyrene - 1,1,1,-trichloroethane - Carbon disulfide - Trichloroethylene (TCE) - Arsenic - Tetrachloroethylene (PCE) - Chromium - Total xylenes - Cyanide - 2-butanone - Mercury - 4-methyl, 2-pentanone - Lead - Fluoranthene Migration from the site was evident in aqueous and sediment samples from the lagoon outfall, which contained elevated levels of various pollutants. Only one of three water supply wells located onsite was operational at the time of the inspection. This well showed high levels of arsenic, mercury, cyanide, and TCE. The on-site were used for cooling water supply and not for potable water. The presence of these substances suggested that the groundwater underlying the site was contaminated. In March 1985, EPA resampled the on-site production well. These samples were analyzed for thiocyanate compounds by a wet chemistry method. The results indicated that most of the cyanide discovered during the March 1984 sampling was actually thiocyanate, a compound I that was manufactured at the facility. In a City of Wilmington study of the bulk

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storage area immediately adjacent to the Halby Chemical Site, it was observed that the groundwater beneath this site was contaminated with various inorganic and organic constituents. In particular, national interim primary and secondary drinking water standards were exceeded for the following inorganics: chloride, sulfide, cyanide, arsenic, cadmium, selenium, and zinc. Analysis for priority pollutant organic compounds indicated the presence of low levels of two volatile organics which included toluene and trans-l,2-dichloroethene. Volatile compounds detected during the sampling and which are not on the EPA's priority pollutant list included 2,2-oxybis-propane, tetrahydrofuran, and acetone. The latter two were found in trace amounts and regarded as related to sampling analysis procedures and well construction. In addition, three unlisted base/neutral Several heavy metals were also identified in the City's study. These included arsenic, cadmium, cobalt, iron, manganese, nickel, selenium, strontium, and zinc. The presence of cobalt, nickel, and strontium, and the high concentrations of surfactants suggest that the storage of petroleum coke at the area adjacent to the Halby Chemical Site may also have contributed to the contamination of groundwater at the site. Based on the Delaware DNREC study conducted on the salt piles along 1-495, it was concluded that leachate from the salt piles had also contaminated the groundwater locally and posed a threat to the use of the aquifer for most water supply purposes, including public drinking water. Analyses of groundwater quality samples taken during this study indicated high levels of iron and manganese in every well. Sulfates were also found in high concentrations and it is speculated that these contaminant levels could be related to coal or slag piles that may have existed at or near the site in the past. High sulfate concentrations along with high iron and low pH are consistent with the presence of water leached through coal. Sodium and chloride were both found in high concentrations in various wells. Therefore, an additional potential source of groundwater contamination is associated with the salt piles on the opposite side of 1-495. There is also the possibility that the former operation of North American Smelting, a lead smelter plant which was located approximately 1,000 feet west of the site may have contributed at least a portion of the lead and arsenic identified in surface soil and lagoon sediment samples in the area. Enforcement Activities EPA has identified the following potentially responsible parties (PRPs) associated with the Site: Argus Chemical Corporation, as the successor to Halby Chemical Co. , Inc.; Witco Corporation, as the parent corporation to Argus Chemical Corporation; and Brandywine Chemical Company as the owner and operator of the site from 1977 to the present. On April 17, 1986 the aforementioned PRPs received Special Notice Letters inviting them to perform the Remedial Investigation/Feasibility study (RI/FS) Report. Brandywine, Argus and Witco declined to conduct the RI/FS, and the RI/FS was performed with Superfund monies. After the completion of the RI, Witco offered to do the FS. The Agency declined the offer, as it contravenes EPA's policy to split the RI/FS process. In addition, a change in contractors would have delayed the completion of the FS and the issuance of the Record of Decision (ROD). A ROD addressing the Halby Chemical Site was completed in June, 1991. Under an April 9, 1992 Consent Decree Witco Corporation (Witco) agreed to perform the remedial design and remedial action for the OU1 ROD, requiring remedial actions in the former process plant area. On February 3, 1995, EPA completed a Removal Site Assessment focusing on the portions of the former chemical production facility and tank farm which were not being utilized by BCC and were not properly decontaminated or maintained. On February 22, 1995 EPA issued an Action Memorandum documenting removal assessment findings and immediate actions planned to abate the immediate and significant threat posed by the presence of various hazardous substances located in numerous tanks, process lines, reaction vessels, sumps and drains, drums, pressurized cylinders and other containers. On March 6, 1995, a notice was sent informing Witco of potential liability

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related to necessary removal response actions. Between February and July 1995, EPA completed the removal activities identified in the Action Memorandum to mitigate the immediate threat posed by improperly stored chemicals in the former process plant area. During completion of final removal activities planned in the February 1995 Action Memorandum, EPA identified an area of high carbon disulfide contamination extending from the point that waste water had been discharged from the chemical production facility to the lagoon. On July 6, 1995, a second Action Memorandum was issued documenting EPA's determination that the carbon disulfide may pose an imminent and substantial endangerment to human health or the environment and outlining actions to be taken to minimize the threat. On June 30, 1995, Notice of Potential Liability was sent re-confirming Witco's potential liability and formally notifying Witco of additional removal activities to be taken at the site. On July 20, 1995, EPA issued a Unilateral Administrative Order for Removal Action to Witco. Pursuant to the Removal Order, Witco successfully implemented mitigative measures. The investigation performed by Witco confirmed a large mass of carbon disulfide located within an area of less than two acres. In July 1997, EPA completed the RI/FS for OU2. A ROD for OU2 was issued in March 1998.

CERCLIS Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	11/01/83
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	PRELIMINARY ASSESSMENT
Date Started:	12/01/83
Date Completed:	02/01/84
Priority Level:	Low priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	State, Fund Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	SITE INSPECTION
Date Started:	03/29/85
Date Completed:	03/29/85
Priority Level:	Higher priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

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For detailed financial records, contact EDR for a Site Report.:

Action Code: 008
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 06/12/85
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 07/02/85
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: / /
Date Completed: 09/18/85
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: / /
Date Completed: 11/15/85
Priority Level: Search Complete, Viable PRPs
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Alternate
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

HALBY CHEMICAL CO. (Continued) **1000165424**

Action Code: 002
Action: SITE INSPECTION
Date Started: 10/30/85
Date Completed: 01/10/86
Priority Level: Deferred to RCRA (Subtitle C)
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 01/16/86
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Notice Letters Issued
Date Started: / /
Date Completed: 04/17/86
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started: / /
Date Completed: 06/10/86
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: STATE SUPPORT AGENCY COOPERATIVE AGREEMENT
Date Started: 12/22/88

HALBY CHEMICAL CO. (Continued) **1000165424**

Date Completed: 12/22/88
Priority Level: Not reported
Operable Unit: SURFACE SOIL-OPERATING FACILIT
Primary Responsibility: State, Fund Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: INFORMATION REPOSITORY ESTABLISHED
Date Started: / /
Date Completed: 07/21/89
Priority Level: Not reported
Operable Unit: SURFACE SOIL-OPERATING FACILIT
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL ASSESSMENT
Date Started: 08/16/89
Date Completed: 08/16/89
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 12/05/89
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 009
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 07/16/90
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement

HALBY CHEMICAL CO. (Continued) **1000165424**

Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: RISK/HEALTH ASSESSMENT
Date Started: / /
Date Completed: 09/01/90
Priority Level: Not reported
Operable Unit: SURFACE SOIL-OPERATING FACILIT
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMOVAL ASSESSMENT
Date Started: 09/10/90
Date Completed: 09/10/90
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: TREATABILITY STUDY
Date Started: 09/26/89
Date Completed: 09/30/90
Priority Level: Not reported
Operable Unit: SURFACE SOIL-OPERATING FACILIT
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 06/03/91
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

HALBY CHEMICAL CO. (Continued) **1000165424**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 06/10/91
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 03/06/87
Date Completed: 06/28/91
Priority Level: Not reported
Operable Unit: SURFACE SOIL-OPERATING FACILIT
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ADMINISTRATIVE RECORDS
Date Started: 07/21/89
Date Completed: 06/28/91
Priority Level: Admin Record Compiled for a Remedial Event
Operable Unit: SURFACE SOIL-OPERATING FACILIT
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 06/28/91
Priority Level: Not reported
Operable Unit: SURFACE SOIL-OPERATING FACILIT
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003

HALBY CHEMICAL CO. (Continued) **1000165424**

Action:	REMOVAL ASSESSMENT
Date Started:	08/02/91
Date Completed:	08/02/91
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	Special Notice Issued
Date Started:	/ /
Date Completed:	08/08/91
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	Notice Letters Issued
Date Started:	/ /
Date Completed:	08/13/91
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started:	12/01/89
Date Completed:	09/30/91
Priority Level:	Search Complete, Viable PRPs
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	08/08/91
Date Completed:	12/31/91
Priority Level:	Not reported

HALBY CHEMICAL CO. (Continued) **1000165424**

Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Lodged By DOJ
Date Started: / /
Date Completed: 02/14/92
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CONSENT DECREE
Date Started: 12/31/91
Date Completed: 04/09/92
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: REMOVAL ASSESSMENT
Date Started: 04/16/93
Date Completed: 06/25/93
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started: 03/16/92
Date Completed: 08/02/93
Priority Level: Not reported
Operable Unit: SURFACE SOIL-OPERATING FACILIT
Primary Responsibility: Responsible Party
Planning Status: Project Suspended

HALBY CHEMICAL CO. (Continued) **1000165424**

Urgency Indicator: Not reported
Action Anomaly: Other Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL
Date Started: 02/03/95
Date Completed: 07/20/95
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL NEGOTIATIONS
Date Started: 06/30/95
Date Completed: 07/20/95
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Alternate
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 07/20/95
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: Lodged By DOJ
Date Started: / /
Date Completed: 11/09/95
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

HALBY CHEMICAL CO. (Continued) **1000165424**

Action Code: 002
Action: CONSENT DECREE
Date Started: 07/03/95
Date Completed: 03/15/96
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: Notice Letters Issued
Date Started: / /
Date Completed: 04/07/97
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: Notice Letters Issued
Date Started: / /
Date Completed: 04/08/97
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 05/29/97
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY

HALBY CHEMICAL CO. (Continued) **1000165424**

Date Started: 06/09/97
Date Completed: 01/06/98
Priority Level: Not reported
Operable Unit: GROUND WATER & SURFACE WATER
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 12/20/91
Date Completed: 03/31/98
Priority Level: Not reported
Operable Unit: GROUND WATER & SURFACE WATER
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: ADMINISTRATIVE RECORDS
Date Started: 03/09/93
Date Completed: 03/31/98
Priority Level: Admin Record Compiled for a Remedial Event
Operable Unit: GROUND WATER & SURFACE WATER
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 03/31/98
Priority Level: Final Remedy Selected at Site
Operable Unit: GROUND WATER & SURFACE WATER
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 05/12/98
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement

HALBY CHEMICAL CO. (Continued) **1000165424**

Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: 07/01/93
Date Completed: 07/13/98
Priority Level: Search Complete, Viable PRPs
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: Special Notice Issued
Date Started: / /
Date Completed: 07/13/98
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: Special Notice Issued
Date Started: / /
Date Completed: 08/24/98
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 07/20/95
Date Completed: 09/30/98
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: New Action Resulting from Take Over

HALBY CHEMICAL CO. (Continued) **1000165424**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: / /
Date Completed: 05/20/99
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 07/13/98
Date Completed: 06/09/99
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: Lodged By DOJ
Date Started: / /
Date Completed: 09/17/99
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: CONSENT DECREE
Date Started: 06/06/99
Date Completed: 04/11/00
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN

HALBY CHEMICAL CO. (Continued) **1000165424**

Date Started: 06/03/99
Date Completed: 09/14/00
Priority Level: Not reported
Operable Unit: GROUND WATER & SURFACE WATER
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: TECHNICAL ASSISTANCE GRANT
Date Started: 08/11/98
Date Completed: 02/06/01
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PRELIMINARY CLOSE-OUT REPORT PREPARED
Date Started: / /
Date Completed: 04/22/02
Priority Level: Not reported
Operable Unit: GROUND WATER & SURFACE WATER
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: Lodged By DOJ
Date Started: / /
Date Completed: 09/02/03
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: CONSENT DECREE
Date Started: 06/09/99
Date Completed: 11/12/03
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement

HALBY CHEMICAL CO. (Continued) **1000165424**

Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 09/14/00
Date Completed: 09/30/05
Priority Level: Final RA Report
Operable Unit: GROUND WATER & SURFACE WATER
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Long Term Action
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FIVE-YEAR REVIEW
Date Started: 11/14/05
Date Completed: 09/28/07
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ADMINISTATIVE/VOLUNTARY COST RECOVERY
Date Started: / /
Date Completed: 12/26/07
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: Lodged By DOJ
Date Started: / /
Date Completed: 08/24/10
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

HALBY CHEMICAL CO. (Continued) **1000165424**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CLAIM IN BANKRUPTCY PROCEEDING
Date Started: 06/19/09
Date Completed: 09/17/10
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: FIVE-YEAR REVIEW
Date Started: 11/10/11
Date Completed: 09/27/12
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: TECHNICAL ASSISTANCE
Date Started: 04/24/90
Date Completed: / /
Priority Level: Not reported
Operable Unit: SURFACE SOIL-OPERATING FACILIT
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION
Date Started: 05/10/13
Date Completed: / /
Priority Level: Not reported
Operable Unit: GROUND WATER & SURFACE WATER
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:
Fed Register Date: 06/10/86

HALBY CHEMICAL CO. (Continued) **1000165424**

Fed Register Volume: 51
Page Number: 21054

Fed Register Date: 09/18/85
Fed Register Volume: 50
Page Number: 37950

Click this hyperlink while viewing on your computer to access
502 additional US CERCLIS Financial: record(s) in the EDR Site Report.

US ENG CONTROLS:
EPA ID: DED980830954
Site ID: 0300125
Name: HALBY CHEMICAL CO.
Address: 600 TERMINAL AVE
NEW CASTLE, DE 19720
EPA Region: 03
County: NEW CASTLE
Event Code: Not reported
Actual Date: 03/13/1998
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/28/1991
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Consolidate
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/28/1991
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/28/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Cap
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported

HALBY CHEMICAL CO. (Continued) **1000165424**

Longitude: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/28/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Excavation
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 06/28/1991
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Solidification/Stabilization (Ex-Situ)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: Monitoring
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Cap
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Excavation
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

HALBY CHEMICAL CO. (Continued) **1000165424**

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Monitoring
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Cap
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Consolidate
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Excavation
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Gas Collection/Treatment
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION

HALBY CHEMICAL CO. (Continued) **1000165424**

Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Impermeable Barrier
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Monitoring
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Operations & Maintenance (O&M)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Revegetation
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Surface Drainage Control
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02

HALBY CHEMICAL CO. (Continued) **1000165424**

Contaminated Media : Soil
Engineering Control: Wetlands Replacement
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Monitoring
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 03/31/1998
Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Wetlands Replacement
Contact Name: Not reported
Contact Phone and Ext: Not reported
Latitude: Not reported
Longitude: Not reported

US INST CONTROL:
EPA ID: DED980830954
Site ID: 0300125
Name: HALBY CHEMICAL CO.
Action Name: RECORD OF DECISION
Address: 600 TERMINAL AVE
NEW CASTLE, DE 19720
EPA Region: 03
County: NEW CASTLE
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: 06/30/1991
Complet. Date: 06/28/1991
Operable Unit: 01
Contaminated Media : Soil
Contact Name : Not reported
Contact Phone and Ext : Not reported
Latitude : Not reported
Longitude : Not reported

EPA ID: DED980830954
Site ID: 0300125
Name: HALBY CHEMICAL CO.
Action Name: RECORD OF DECISION
Address: 600 TERMINAL AVE
NEW CASTLE, DE 19720
EPA Region: 03

HALBY CHEMICAL CO. (Continued) **1000165424**

County: NEW CASTLE
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: 03/13/1998
Complet. Date: 03/31/1998
Operable Unit: 02
Contaminated Media : Groundwater
Contact Name : Not reported
Contact Phone and Ext : Not reported
Latitude : Not reported
Longitude : Not reported

EPA ID: DED980830954
Site ID: 0300125
Name: HALBY CHEMICAL CO.
Action Name: RECORD OF DECISION
Address: 600 TERMINAL AVE
NEW CASTLE, DE 19720
EPA Region: 03
County: NEW CASTLE
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: 03/13/1998
Complet. Date: 03/31/1998
Operable Unit: 02
Contaminated Media : Sediment
Contact Name : Not reported
Contact Phone and Ext : Not reported
Latitude : Not reported
Longitude : Not reported

EPA ID: DED980830954
Site ID: 0300125
Name: HALBY CHEMICAL CO.
Action Name: RECORD OF DECISION
Address: 600 TERMINAL AVE
NEW CASTLE, DE 19720
EPA Region: 03
County: NEW CASTLE
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: 03/13/1998
Complet. Date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Contact Name : Not reported
Contact Phone and Ext : Not reported
Latitude : Not reported
Longitude : Not reported

EPA ID: DED980830954
Site ID: 0300125
Name: HALBY CHEMICAL CO.
Action Name: RECORD OF DECISION
Address: 600 TERMINAL AVE
NEW CASTLE, DE 19720
EPA Region: 03

HALBY CHEMICAL CO. (Continued) **1000165424**

County: NEW CASTLE
Event Code: Not reported
Inst. Control: Drilling Restriction
Actual Date: 03/13/1998
Complet. Date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Contact Name : Not reported
Contact Phone and Ext : Not reported
Latitude : Not reported
Longitude : Not reported

EPA ID: DED980830954
Site ID: 0300125
Name: HALBY CHEMICAL CO.
Action Name: RECORD OF DECISION
Address: 600 TERMINAL AVE
NEW CASTLE, DE 19720
EPA Region: 03
County: NEW CASTLE
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: 03/13/1998
Complet. Date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Contact Name : Not reported
Contact Phone and Ext : Not reported
Latitude : Not reported
Longitude : Not reported

EPA ID: DED980830954
Site ID: 0300125
Name: HALBY CHEMICAL CO.
Action Name: RECORD OF DECISION
Address: 600 TERMINAL AVE
NEW CASTLE, DE 19720
EPA Region: 03
County: NEW CASTLE
Event Code: Not reported
Inst. Control: Land Use Restriction
Actual Date: 03/13/1998
Complet. Date: 03/31/1998
Operable Unit: 02
Contaminated Media : Soil
Contact Name : Not reported
Contact Phone and Ext : Not reported
Latitude : Not reported
Longitude : Not reported

EPA ID: DED980830954
Site ID: 0300125
Name: HALBY CHEMICAL CO.
Action Name: RECORD OF DECISION
Address: 600 TERMINAL AVE
NEW CASTLE, DE 19720
EPA Region: 03

HALBY CHEMICAL CO. (Continued) **1000165424**

County:	NEW CASTLE
Event Code:	Not reported
Inst. Control:	Deed Restriction
Actual Date:	03/13/1998
Complet. Date:	03/31/1998
Operable Unit:	02
Contaminated Media :	Surface Water
Contact Name :	Not reported
Contact Phone and Ext :	Not reported
Latitude :	Not reported
Longitude :	Not reported

UST:

Facility Id:	10054300
PI Id:	19185
Prog Id:	3-000561
Tax Id:	Not reported
Additional Info:	Not reported
Care Of:	Not reported
PO Name:	Wilmington
Sewer District:	Unknown
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Water District:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Yes
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Colonial
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Mod Grid:	Not reported
Reference Pt:	Unknown
Horizontal Method:	GPS-Differentially Corrected
X Coordinate Na D83 Meters:	189717.1
Y Coordinate Na D83 Meters:	190854.5
Latitude Dec:	39.71915
Longitude Dec:	-75.5365
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	8.9688
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	11.7384
Owner:	Brandywine Chemical
Owner Address:	600 Terminal Avenue, New Castle, DE 19720 US

Tank Info:

Tank Id:	1
Alt Tank Id:	1
Tank Status:	Removed
Capacity:	10000

HALBY CHEMICAL CO. (Continued) **1000165424**

Tank Substance: Heating Oil
Compartment: N
Close Date: 04/10/1995
Install Date: 03/30/1970

ROD:
Full-text of USEPA Record of Decision(s) is available from EDR.

PRP:
PRP name:
ARGUS CHEMICAL CORP/WITCO CORP
ARGUS CHEMICAL CORPORATION
ARGUS CHEMICAL CORPORATION
ARGUS CHEMICAL CORPORATION
BOLLMAN TRUCKING CO
BRANDYWINE CHEMICAL CO
BRANDYWINE CHEMICAL CO
BRANDYWINE CHEMICAL CO
CHEMTURA CORPORATION
CHRISTIANA MOTOR FREIGHT INC./F&H TRANSPORT
ESTATE OF DR. ALBERT BEEKHUIS
ESTATE OF DR. ALBERT BEEKHUIS
F & H TRANSPORT, INC.
F & H TRANSPORT, INC.
F & H TRANSPORT, INC.
F.A. POTTS AND COMPANY INTERNATIONAL, INC.
HALBY CHEMICAL CO INC
PYRITES CO INC
PYRITES CO INC
PYRITES CO INC
PYRITES CO INC
PYRITES CO., INC. THE
WITCO CHEMICAL CORP.
WITCO CHEMICAL CORP.
WITCO CHEMICAL CORP.
WITCO CHEMICAL CORP.
WITCO CHEMICAL CORP.
WITCO CHEMICAL CORP.
WITCO CORP
WITCO CORP

CONSENT:
EPA ID: DED980830954
Site ID: Not reported
Case Title: U.S. V. WITCO CORPORATION (HALBY CHEMICAL)
Court Num: 92-93
District: Delaware
Entered Date: 19920409
Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.

1
NNW
1/4-1/2
0.333 mi.
1760 ft.

SALVAGE YARD RELOCATION AREA II
INTERSECTION OF 12TH STREET AND RTE 495
WILMINGTON, DE 19802

US BROWNFIELDS **1006976459**
N/A

Relative:
Lower

Actual:
9 ft.

US BROWNFIELDS:

Recipient name:	R3 Brownfields TBA (previously Superfund TBA)
Grant type:	TBA
Property name:	SALVAGE YARD RELOCATION AREA II
Property #:	Not reported
Parcel size:	4
Property Description:	Not reported
Latitude:	39.7314
Longitude:	-75.5244
HCM label:	Not reported
Map scale:	Not reported
Point of reference:	Not reported
Datum:	Not reported
ACRES property ID:	10196
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	1
Assessment funding source:	US EPA - TBA Funding
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	Hazardous
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	1
Cooperative agreement #:	n/a
Ownership entity:	Not reported
Current owner:	Not reported
Did owner change:	Not reported
Cleanup required:	Not reported
Video available:	Not reported
Photo available:	Not reported
Institutional controls required:	Not reported
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Unknown
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported

SALVAGE YARD RELOCATION AREA II (Continued) **1006976459**

Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported

SALVAGE YARD RELOCATION AREA II (Continued) **1006976459**

No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported

---

2 **SALVAGE YARD RELOCATION AREA II** **SHWS** **S109484977**
North **SW OF I-495 & 12TH STREET** **N/A**
1/4-1/2 **WILMINGTON, DE 19801**
0.419 mi.
2210 ft.

Relative:
Lower

Actual:
9 ft.

SHWS:

Facility ID:	10056509
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27304
Prog ID:	DE-1166
Additional Info:	Federally Funded Brownfield
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190873.22
YCoordinate NAD83 Meters:	192362.4
Latitude Dec:	39.732752
Longitude Dec:	-75.523128
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	57.9072
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	23.2608
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

3
NE
1/2-1
0.519 mi.
2742 ft.

SHELLPOT CREEK INITIATIVE
400 HAY ROAD
WILMINGTON, DE 19801

SHWS **S111766332**
INST CONTROL **N/A**
VCP

Relative:
Lower

Actual:
14 ft.

SHWS:

Facility ID:	10056587
Site Type:	Landfill-Municipal/Industrial
Care Of:	Not reported
PI ID:	27382
Prog ID:	DE-0026
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	191784.92
YCoordinate NAD83 Meters:	192641.77
Latitude Dec:	39.735278
Longitude Dec:	-75.512496
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	7.0008
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	44.9856
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Facility ID:	10056587
Site Type:	Landfill-Municipal/Industrial
Care Of:	Not reported
PI ID:	27382
Prog ID:	DE-0026
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	191784.92
YCoordinate NAD83 Meters:	192641.77
Latitude Dec:	39.735278
Longitude Dec:	-75.512496
Latitude Degrees:	39

SHELLPOT CREEK INITIATIVE (Continued) **S111766332**

Latitude Minutes:	44
Latitude Seconds:	7.0008
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	44.9856
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Facility ID:	10063629
Site Type:	Agricultural Water Production
Care Of:	Not reported
PI ID:	129218
Prog ID:	DE-1380
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	192236.74
YCoordinate NAD83 Meters:	192767.59
Latitude Dec:	39.736415
Longitude Dec:	-75.507227
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	11.094
Longitude Degrees:	-75
Longitude Minutes:	30
Longitude Seconds:	26.0172
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial

SHELLPOT CREEK INITIATIVE (Continued) **S111766332**

GMZ Name: City of Wilmingtion - 1 Zone
AG Pres District: Not reported
Water District: Not reported
Mod Grid: Not reported

Inst Control:
Facility ID: DE-0024
Report Title: Deed Restriction Sites
Site Type: VCP
Deed Restriction Date: 02/06/2013
Restrictions: 1)Restricted to non-residential use only, 2) no land disturbing activities without the prior written approval of DNREC-SIRS; 3) limitation of groundwater withdrawal; and 4) compliance with Operations and Maintenance Plan;

Facility ID: DE-0026
Report Title: Deed Restriction Sites
Site Type: HSCA
Deed Restriction Date: 02/06/2013
Restrictions: 1)Restricted to non-residential use only, 2) no land disturbing activities without the prior written approval of DNREC-SIRS; 3) limitation of groundwater withdrawal; and 4) compliance with Operations and Maintenance Plan;

Facility ID: DE-1380
Report Title: Deed Restriction Sites
Site Type: HSCA
Deed Restriction Date: 02/06/2013
Restrictions: 1)Restricted to non-residential use only, 2) no land disturbing activities without the prior written approval of DNREC-SIRS; 3) limitation of groundwater withdrawal; and 4) compliance with Operations and Maintenance Plan;

VCP:
Facility ID: 10056341
Program ID: DE-0024
Site Type: Landfill-Municipal/Industrial
Care Of: Not reported
Reference Pt: Unknown
Horizontal Method: Unknown
Loc Type: P
X Coordinate Nad83 Meters: 192141.8
Y Coordinate Nad83 Meters: 192425.51
Latitude Dec: 39.7333330
Longitude Dec: -75.508330
Latitude Degrees: 39
Latitude Minutes: 43
Latitude Seconds: 59.9988000
Longitude Degrees: -75
Longitude Minutes: 30
Longitude Seconds: 29.988
PO Name: Wilmington
Tax Id: Not reported
Sewer District: Not reported
Floodplain Zone Code: Not reported
Flood Plain Zone: Not reported

SHELLPOT CREEK INITIATIVE (Continued) **S111766332**

Basin:	Piedmont
Watershed:	Shellpot Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

A4 **UP THE CREEK RESTAURANT AND MARINA** **SHWS** **S107673566**
NW **1195 EAST 7TH STREET** **INST CONTROL** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.587 mi.
3101 ft. **Site 1 of 2 in cluster A**

Relative:
Lower

Actual:
10 ft.

SHWS:

Facility ID:	10153131
Site Type:	Other Retail
Care Of:	Not reported
PI ID:	129467
Prog ID:	DE-1384
Additional Info:	Certified Brownfield Site
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190305.74
YCoordinate NAD83 Meters:	192411.51
Latitude Dec:	39.733188
Longitude Dec:	-75.529748
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	59.4768
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.0928
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

UP THE CREEK RESTAURANT AND MARINA (Continued) **S107673566**

Inst Control:
Facility ID: DE-1384
Report Title: Deed Restriction Sites
Site Type: Certified Brownfield Site
Deed Restriction Date: 01/08/2016
Restrictions: 1) Interference with the Remedy, 2) Limitation of Groundwater Withdrawal, 3) Compliance with LTS Plan, Compliance with CMMP.

A5 **1190 E. 7TH ST** **SHWS** **S108514910**
NW **1190 EAST 7TH STREET** **BROWNFIELDS** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.604 mi.
3187 ft. **Site 2 of 2 in cluster A**

Relative:
Lower

Actual:
10 ft.

SHWS:

Facility ID:	10154212
Site Type:	Landfill-Municipal/Industrial
Care Of:	Not reported
PI ID:	219999
Prog ID:	DE-1410
Additional Info:	Certified Brownfield Site
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190209.72
YCoordinate NAD83 Meters:	192556.97
Latitude Dec:	39.734514
Longitude Dec:	-75.530879
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.2504
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	51.1644
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

DE BROWNFIELD:

Facility ID:	DE-1410
Certification Date:	6.06.07
Acreage:	1.44+/-

6
South
1/2-1
0.651 mi.
3439 ft.

CITY OF WILM. MARINE TERMINAL
TERMINAL AVENUE
WILMINGTON, DE 19899

SHWS **S104304169**
INST CONTROL **N/A**

Relative:
Lower

Actual:
7 ft.

SHWS:

Facility ID:	10056569
Site Type:	Landfill-Municipal/Industrial
Care Of:	Not reported
PI ID:	27364
Prog ID:	DE-0099
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190615.92
YCoordinate NAD83 Meters:	190823.47
Latitude Dec:	39.718889
Longitude Dec:	-75.526107
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	8.0004
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	33.9852
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Facility ID:	DE-0099
Report Title:	GMZ Sites
Site Type:	Pre Remedial (PA/SI)
Deed Restriction Date:	02/05/1999
Restrictions:	NOW, THEREFORE, IT IS AGREED BY DAWM AND DWR AS FOLLOWS:1. A GMZ shall be established to include Halby, Potts, Port and their Environs as defined both in the text and on the attached maps, Attachment 5 and Attachment 6. The GMZ will consist of two distinct areas with differing restrictions on wells. The GMZ A consists of the aerial extent of Halby and Potts. The GMZ B consists of the Environs impacted by Halby, Potts, and Port (both in the Columbia and Upper Potomac Aquifers) regardless of ownership and is physically bounded to the west by Route 9, the northwest by the Conrail Bridge crossing

CITY OF WILM. MARINE TERMINAL (Continued) **S104304169**

the Christina River, to the north by the Christina River, to the east at the Delaware River, and to the south by Interstate 295 and the Delaware Memorial Bridge.2. No public or domestic water supply wells, will be allowed or permitted in GMZ A . Other types of wells may be approved following joint review and approval of both DWR and DAWM.3. No public or domestic, water supply wells will be allowed or permitted in GMZ B in the unconfined Columbia Aquifer or the Upper Potomac Aquifer. Other water supply wells may be allowed and permitted in GMZ B provided that the construction of the wells will prevent transport of contaminants into the deeper aquifers. Water supply wells will be allowed and permitted in GMZ B in the deeper confined Lower Potomac Aquifer provided that the construction will prevent transport of contaminants down into the deeper aquifers.4. Permits for any wells in either GMZ A or GMZ B may be issued by DWR following joint review and approval by both DWR and DAWM. This MOA may be modified or terminated only upon the agreement of both parties. Any modifications must be made in writing and signed by the Director of DAWM and the Director of DWR. A copy of this MOA will be placed within the Administrative Record for the Site.

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7 **EAST 7TH ST PENINSULA - SOUTH** **SHWS** **S103684335**
NNW **7TH STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.656 mi.
3466 ft.

Relative:
Lower

Actual:
13 ft.

SHWS:

Facility ID:	10056529
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27307
Prog ID:	DE-1127
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190300
YCoordinate NAD83 Meters:	192571.65
Latitude Dec:	39.734631
Longitude Dec:	-75.529817
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.6716
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.3412
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2

EAST 7TH ST PENINSULA - SOUTH (Continued) **S103684335**

Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Facility ID:	10056529
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27307
Prog ID:	DE-1127
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190300
YCoordinate NAD83 Meters:	192571.65
Latitude Dec:	39.734631
Longitude Dec:	-75.529817
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.6716
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.3412
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmington - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

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8 **EAST 7TH ST PENINSULA DRUM SITE** **SHWS** **S106706599**
NNW **EAST 7TH STREET PENINSULA** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.698 mi.
3687 ft.

Relative:
Lower

Actual:
14 ft.

SHWS:

Facility ID:	10056529
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27324
Prog ID:	DE-1148
Additional Info:	EPA Removal Action Site

EAST 7TH ST PENINSULA DRUM SITE (Continued) **S106706599**

Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190452.16
YCoordinate NAD83 Meters:	192728.03
Latitude Dec:	39.736041
Longitude Dec:	-75.528045
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	9.7476
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	40.962
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

9
West
1/2-1
0.715 mi.
3775 ft.

DP&L SUBSTATION/ DUPONT CHRISTINA LABS **SHWS** **S106177126**
SOUTH WILMINGTON **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
9 ft.

SHWS:

Facility ID:	10056264
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27059
Prog ID:	DE-1074
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189735.99
YCoordinate NAD83 Meters:	191811.52
Latitude Dec:	39.727778
Longitude Dec:	-75.536385
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	40.0008
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	10.986

DP&L SUBSTATION/ DUPONT CHRISTINA LABS (Continued) **S106177126**

PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Christina
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

10
SW
1/2-1
0.724 mi.
3822 ft.

SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES **SHWS** **S107711537**
1020 CHRISTINA AVE **INST CONTROL** **N/A**
WILMINGTON, DE 19801 **TIER 2**

Relative:
Lower

Actual:
11 ft.

SHWS:

Facility ID:	10163537
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	223242
Prog ID:	DE-1431
Additional Info:	Certified Brownfield Site
Reference Pt:	Facility/Interest Center
Horizontal Method:	Satellite Photo Interpolation-SPOT
Loc Type:	P
XCoordinate NAD83 Meters:	190094.35
YCoordinate NAD83 Meters:	190423.45
Latitude Dec:	39.71528
Longitude Dec:	-75.532188
Latitude Degrees:	39
Latitude Minutes:	42
Latitude Seconds:	55.008
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.8768
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson

SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES (Continued) **S107711537**

School District: Colonial
GMZ Name: City of Wilmingtion - 1 Zone
AG Pres District: Not reported
Water District: Not reported
Mod Grid: 112-350

Inst Control:
Facility ID: DE-1431
Report Title: Deed Restriction Sites
Site Type: Certified Brownfield Site
Deed Restriction Date: 07/21/2009
Restrictions: 26-060.00-004: a.Use Restriction. Use of the Property shall be restricted solely to those non-residential type uses permitted within Commercial, Manufacturing, or Industrial Districts. b.Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activitieson the Property without the prior written approval from DNREC-SIRS; c. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Property without the prior written approval from DNREC.

TIER 2:
Facility ID: 235
Tier II Report Yr: 2012
Facility Corporate Name: Siemens Industry, Inc. - Water Technologies
EHS Year: Not reported
CAS Number: 13477344
Chemical: CALCIUM NITRATE TETRAHYDRATE SOLUTION
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: No

Detail:
Tier II Report Year: 2012
Owner Operator Name: SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 9413552971
Compliance Contact Company: John Hazewski
Compliance Contact Title: Branch Manager
Compliance Contact Address1: 1020 Christina Ave
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Wilmington, DE 19801
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026543712

Tier II Report Yr: 2012
Facility Corporate Name: Siemens Industry, Inc. - Water Technologies
EHS Year: Not reported
CAS Number: 15245122
Chemical: CALCIUM NITRATE AQUEOUS SOLUTION
Facility Status: ACTIVE
Is EHS: No

SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES (Continued) **S107711537**

Is Containing EHS: No

Detail:
Tier II Report Year: 2012
Owner Operator Name: SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 9413552971
Compliance Contact Company: John Hazewski
Compliance Contact Title: Branch Manager
Compliance Contact Address1: 1020 Christina Ave
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Wilmington, DE 19801
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026543712

Tier II Report Yr: 2011
Facility Corporate Name: Siemens Industry, Inc. - Water Technologies
EHS Year: Not reported
CAS Number: 15245122
Chemical: CALCIUM NITRATE AQUEOUS SOLUTION
Facility Status: ACTIVE
Is EHS: Not reported
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2011
Owner Operator Name: SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: Not reported
Compliance Contact Company: Not reported
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: Not reported

Tier II Report Yr: 2010
Facility Corporate Name: Siemens Water Technologies Corp
EHS Year: Not reported
CAS Number: 15245122
Chemical: CALCIUM NITRATE AQUEOUS SOLUTION
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: No

Detail:
Tier II Report Year: 2010
Owner Operator Name: SIEMENS WATER TECHNOLOGIES CORP
Owner Operator Address: Not reported

SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES (Continued) **S107711537**

Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	9413552971
Compliance Contact Company:	John Hazewski
Compliance Contact Title:	Branch Manager
Compliance Contact Address1:	1020 Christina Ave
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Wilmington, DE 19801
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026543712

Tier II Report Yr:	2010
Facility Corporate Name:	Siemens Water Technologies Corp
EHS Year:	Not reported
CAS Number:	7782630
Chemical:	FERROUS SULFATE HEPTAHYDRATE
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	No

Detail:

Tier II Report Year:	2010
Owner Operator Name:	SIEMENS WATER TECHNOLOGIES CORP
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	9413552971
Compliance Contact Company:	John Hazewski
Compliance Contact Title:	Branch Manager
Compliance Contact Address1:	1020 Christina Ave
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Wilmington, DE 19801
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026543712

Tier II Report Yr:	2009
Facility Corporate Name:	Siemens Water Technologies Corp
EHS Year:	Not reported
CAS Number:	Not reported
Chemical:	CALCIUM NITRATE AQUEOUS SOLUTION
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2009
Owner Operator Name:	SIEMENS WATER TECHNOLOGIES CORP
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	9413552971
Compliance Contact Company:	John Hazewski
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported

SIEMENS INDUSTRY, INC. - WATER TECHNOLOGIES (Continued) **S107711537**

Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026543712

Tier II Report Yr: 2009
Facility Corporate Name: Siemens Water Technologies Corp
EHS Year: Not reported
CAS Number: Not reported
Chemical: PHOSPHORIC ACID 85%
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: SIEMENS WATER TECHNOLOGIES CORP
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 9413552971
Compliance Contact Company: John Hazewski
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026543712

Tier II Report Yr: 2009
Facility Corporate Name: Siemens Water Technologies Corp
EHS Year: Not reported
CAS Number: Not reported
Chemical: FERROUS SULFATE HEPTAHYDRATE
Facility Status: ACTIVE
Is EHS: No
Is Containing EHS: Not reported

Detail:
Tier II Report Year: 2009
Owner Operator Name: SIEMENS WATER TECHNOLOGIES CORP
Owner Operator Address: Not reported
Owner Operator City/State/Zip: Not reported
Owner Operator Country: Not reported
Owner Operator Phone: 9413552971
Compliance Contact Company: John Hazewski
Compliance Contact Title: Not reported
Compliance Contact Address1: Not reported
Compliance Contact Address2: Not reported
Compliance Contact City/State/Zip: Not reported
Compliance Contact Country: Not reported
Compliance Contact Phone: 3026543712

11
NNW
1/2-1
0.797 mi.
4210 ft.

VETS WELDING/EAST 7TH ST. PENINSULA
800 INDUSTRIAL STREET
WILMINGTON, DE 19801

SHWS **S109552248**
N/A

Relative:
Lower

Actual:
16 ft.

SHWS:

Facility ID:	10056123
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	26918
Prog ID:	DE-1254
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2002 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190478.34
YCoordinate NAD83 Meters:	192938.11
Latitude Dec:	39.73795
Longitude Dec:	-75.52775
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.62
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	39.9
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

12
SW
1/2-1
0.801 mi.
4228 ft.

FORMER STRAIGHT LINE FILTERS
701 CHRISTINA AVENUE
WILMINGTON, DE 19801

SHWS **S110477204**
INST CONTROL **N/A**

Relative:
Lower

Actual:
4 ft.

SHWS:

Facility ID:	10374236
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	454310
Prog ID:	DE-1488
Additional Info:	Certified Brownfield Site
Reference Pt:	Facility Entance(General)
Horizontal Method:	Address Matching-House Number

FORMER STRAIGHT LINE FILTERS (Continued) **S110477204**

Loc Type:	P
XCoordinate NAD83 Meters:	190106.84
YCoordinate NAD83 Meters:	190669.24
Latitude Dec:	39.717494
Longitude Dec:	-75.532046
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	2.9784
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.3656
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X500
Flood Plain Zone:	Located outside 100-year floodplain, subject to flooding during the 500-year flood event.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Colonial
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-352

Inst Control:

Facility ID:	DE-1488
Report Title:	Deed Restriction Sites
Site Type:	Certified Brownfield Site
Deed Restriction Date:	07/31/2012
Restrictions:	Use restriction to commercial; no land disturbing activity without prior written approval from DNREC;limitation of groundwater; and compliance with LTS plan.

13
NW
1/2-1
0.816 mi.
4311 ft.

CHRISTINA MARINA
500 INDUSTRIAL STREET
WILMINGTON, DE 19801

SHWS **S106723080**
INST CONTROL **N/A**
VCP
BROWNFIELDS

Relative:
Lower

Actual:
9 ft.

SHWS:

Facility ID:	10024821
Site Type:	Port/Marina
Care Of:	Not reported
PI ID:	27139
Prog ID:	DE-1293
Additional Info:	Certified Brownfield Site
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189945.4
YCoordinate NAD83 Meters:	192783.85

CHRISTINA MARINA (Continued) **S106723080**

Latitude Dec:	39.736538
Longitude Dec:	-75.533957
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	11.5368
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	2.2452
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Facility ID:	10057748
Site Type:	Animal Production
Care Of:	Not reported
PI ID:	28355
Prog ID:	DE-1328
Additional Info:	Certified Brownfield Site
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190114.92
YCoordinate NAD83 Meters:	192825.78
Latitude Dec:	39.736934
Longitude Dec:	-75.531989
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	12.9624
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.1604
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry

CHRISTINA MARINA (Continued) **S106723080**

House District: 2
Representative: Representative Stephanie T Bolden
School District: Colonial
GMZ Name: Not reported
AG Pres District: Not reported
Water District: Not reported
Mod Grid: 112-356

Inst Control:
Facility ID: DE-1328
Report Title: Deed Restriction Sites
Site Type: Certified Brownfield Site
Deed Restriction Date: 05/28/2013
Restrictions: a) Use of the Property shall be restricted solely to those non-residential type uses; b) There shall be no land disturbing activities on the Site without the prior written approval of DNREC-SIRS; c) No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Property without the prior written approval of DNREC-SIRS; d) Compliance with Operations and Maintenance Plan and Contaminated Materials Management Plan.

VCP:
Facility ID: 10024821
Program ID: DE-1293
Site Type: Port/Marina
Care Of: Not reported
Reference Pt: Unknown
Horizontal Method: Unknown
Loc Type: P
X Coordinate Nad83 Meters: 189945.3
Y Coordinate Nad83 Meters: 192783.85
Latitude Dec: 39.7365380
Longitude Dec: -75.533957
Latitude Degrees: 39
Latitude Minutes: 44
Latitude Seconds: 11.5367999
Longitude Degrees: -75
Longitude Minutes: 32
Longitude Seconds: 2.24520000
PO Name: Wilmington
Tax Id: Not reported
Sewer District: Wilmington
Floodplain Zone Code: Not reported
Flood Plain Zone: Not reported
Basin: Piedmont
Watershed: Christina River
DRBC Basin: Y
Quad: WILMINGTON SOUTH
Senate District: 2
Senator: Senator Margaret Rose Henry
House District: 2
Representative: Representative Stephanie T Bolden
School District: Colonial
GMZ Name: City of Wilmingtion - 1 Zone
Ag Pres District: Not reported

CHRISTINA MARINA (Continued) **S106723080**

Water District:	Not reported
Mod Grid:	Not reported
Facility ID:	10057748
Program ID:	DE-1328
Site Type:	Animal Production
Care Of:	Not reported
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
X Coordinate Nad83 Meters:	190114.9
Y Coordinate Nad83 Meters:	192825.78
Latitude Dec:	39.7369339
Longitude Dec:	-75.531988
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	12.9624000
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	55.1604000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-356

DE BROWNFIELD:

Facility ID:	DE-1328
Certification Date:	08.24.04
Acreage:	13.24+/-

14
WNW
1/2-1
0.817 mi.
4313 ft.

EASTSIDE/SOUTH WILMINGTON
CHRISTINA AVENUE
WILMINGTON, DE 19801

SHWS **S102021048**
INST CONTROL **N/A**

Relative:
Lower

Actual:
5 ft.

SHWS:

Facility ID:	10056571
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27366
Prog ID:	DE-1052
Additional Info:	HSCA

EASTSIDE/SOUTH WILMINGTON (Continued) **S102021048**

Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189487.21
YCoordinate NAD83 Meters:	192140.63
Latitude Dec:	39.730739
Longitude Dec:	-75.539292
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	50.6604
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	21.4512
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Christina
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Facility ID:	10056571
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27366
Prog ID:	DE-1052
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189487.21
YCoordinate NAD83 Meters:	192140.63
Latitude Dec:	39.730739
Longitude Dec:	-75.539292
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	50.6604
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	21.4512
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont

EASTSIDE/SOUTH WILMINGTON (Continued) **S102021048**

Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Christina
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Facility ID:	DE-1052
Report Title:	GMZ Sites
Site Type:	HSCA
Deed Restriction Date:	Not reported
Restrictions:	The Entire site is within the Wilmington GMZ

---

15 SSW 1/2-1 0.825 mi. 4355 ft.

PORT OF WILM - NORTH AMERICAN SMELTING CO **SHWS S106723114**
PORT OF WILMINGTON MARINE TERMINAL **VCP N/A**
WILMINGTON, DE 19801

Relative: Lower

Actual: 8 ft.

SHWS:

Facility ID:	10153008
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27201
Prog ID:	DE-0230
Additional Info:	Closed Site
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190454.4
YCoordinate NAD83 Meters:	190429.03
Latitude Dec:	39.715334
Longitude Dec:	-75.52799
Latitude Degrees:	39
Latitude Minutes:	42
Latitude Seconds:	55.2024
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	40.764
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry

PORT OF WILM - NORTH AMERICAN SMELTING CO (Continued) **S106723114**

House District:	16
Representative:	Representative James Johnson
School District:	Colonial
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-350

VCP:

Facility ID:	10153008
Program ID:	DE-0230
Site Type:	Other Industrial Plant
Care Of:	Not reported
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
X Coordinate Nad83 Meters:	190454.3
Y Coordinate Nad83 Meters:	190429.03
Latitude Dec:	39.7153339
Longitude Dec:	-75.527990
Latitude Degrees:	39
Latitude Minutes:	42
Latitude Seconds:	55.2023999
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	40.7640000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Colonial
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	112-350

16
NNW
1/2-1
0.834 mi.
4402 ft.

TRI-STATE E. 7TH STREET PENINSULA **SHWS** **S105076962**
INDUSTRIAL STREET & 7TH STREET PENINSULA **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
16 ft.

SHWS:

Facility ID:	10056206
Site Type:	Other
Care Of:	Not reported
PI ID:	27001
Prog ID:	DE-1216

TRI-STATE E. 7TH STREET PENINSULA (Continued) **S105076962**

Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190374.23
YCoordinate NAD83 Meters:	192931.48
Latitude Dec:	39.737872
Longitude Dec:	-75.528957
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.3392
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	44.2452
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

17
West
1/2-1
0.845 mi.
4463 ft.

DP&L/ CONGO MARSH **SHWS** **S102411356**
CHRISTINA AVENUE **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
9 ft.

SHWS:

Facility ID:	10056263
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27058
Prog ID:	DE-1073
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189497.85
YCoordinate NAD83 Meters:	191811.84
Latitude Dec:	39.727778
Longitude Dec:	-75.539162
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	40.0008
Longitude Degrees:	-75
Longitude Minutes:	32

DP&L/ CONGO MARSH (Continued) **S102411356**

Longitude Seconds:	20.9832
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Christina
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

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18 **NRDA HALBY** **SHWS** **S109484984**
WSW **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.850 mi.
4486 ft.

Relative:
Lower

Actual:
4 ft.

SHWS:

Facility ID:	10056197
Site Type:	Other
Care Of:	Not reported
PI ID:	26992
Prog ID:	DE-1191
Additional Info:	HSCA
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-Other Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	188672.6
YCoordinate NAD83 Meters:	186285.65
Latitude Dec:	39.720278
Longitude Dec:	-75.536662
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	13.0008
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	11.9832
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Delaware Bay
Watershed:	Delaware River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16

NRDA HALBY (Continued) **S109484984**

Representative:	Representative James Johnson
School District:	Colonial
GMZ Name:	Not reported
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	108-342

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19 **PENINSULA PARK LLC** **SHWS** **S105790764**
NNW **INDUSTRIAL STREET** **INST CONTROL** **N/A**
1/2-1 **WILMINGTON, DE 19801** **VCP**
0.854 mi.
4511 ft.

Relative:
Lower

Actual:
9 ft.

SHWS:

Facility ID:	10056420
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27215
Prog ID:	DE-1147
Additional Info:	Certified Brownfield Site
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	190285.51
YCoordinate NAD83 Meters:	192928.53
Latitude Dec:	39.737845
Longitude Dec:	-75.529992
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.242
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	47.9712
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Facility ID:	DE-1147
Report Title:	Deed Restriction Sites
Site Type:	Certified Brownfield Site
Deed Restriction Date:	08/05/2002

PENINSULA PARK LLC (Continued) **S105790764**

Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses permitted within Commercial, Manufacturing, or Industrial Districts, respectively, as such zoning district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the Code in effect as of the date of this Declaration.2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB.3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required.5. Violation of Covenants. If Declarant violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its duly appointed successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof.6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

Facility ID: DE-1147
Report Title: Deed Restriction Sites
Site Type: Certified Brownfield Site
Deed Restriction Date: 10/14/2003
Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses permitted within Commercial, Manufacturing, or Industrial Districts, respectively, as such zoning district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the New Castle County Unified Development Code in effect as of the date of this Declaration.2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB, or its successor.3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB, or its successor. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required.5. Violation of Covenants. If Declarant, or any successor in title, violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its duly appointed successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof against the Declarant or any successor in title to the Land who violated these restrictive covenants.6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or

PENINSULA PARK LLC (Continued) **S105790764**

effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

Facility ID: DE-1147
Report Title: Deed Restriction Sites
Site Type: Certified Brownfield Site
Deed Restriction Date: 06/18/2003
Restrictions: 1. Use Restriction. Use of the Land shall be restricted solely to those non-residential type uses permitted within Commercial, Manufacturing, or Industrial Districts, respectively, as such zoning district types and uses (including, without limitation, ancillary or accessory uses) are described and permitted, respectively, pursuant to the New Castle County Unified Development Code in effect as of the date of this Declaration.2. Interference with Remedy. There shall be no digging, drilling, excavating, grading, constructing, earth moving, or any other land disturbing activities on the Land without the prior written approval of DNREC-SIRB, or its successor.3. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB, or its successor. 4. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required.5. Violation of Covenants. If Declarant, or any successor in title, violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its duly appointed successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof against the Declarant or any successor in title to the Land who violated these restrictive covenants.6. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

VCP:
Facility ID: 10056420
Program ID: DE-1147
Site Type: Contaminated Backfill
Care Of: Not reported
Reference Pt: Unknown
Horizontal Method: Unknown
Loc Type: P
X Coordinate Nad83 Meters: 190285.5
Y Coordinate Nad83 Meters: 192928.53
Latitude Dec: 39.737845
Longitude Dec: -75.529991
Latitude Degrees: 39
Latitude Minutes: 44
Latitude Seconds: 16.2420000
Longitude Degrees: -75

PENINSULA PARK LLC (Continued) **S105790764**

Longitude Minutes:	31
Longitude Seconds:	47.9712000
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

B20 **721 TERMINAL AVENUE** **SHWS** **S114018055**
SW **721 TERMINAL AVENUE** **BROWNFIELDS** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.866 mi.
4573 ft. **Site 1 of 2 in cluster B**

Relative:
Lower

Actual:
4 ft.

SHWS:

Facility ID:	10715218
Site Type:	Other
Care Of:	Not reported
PI ID:	543621
Prog ID:	DE-1558
Additional Info:	Certified Brownfield Site
Reference Pt:	Facility/Interest Center
Horizontal Method:	Photo Interpolation-2012 Orthophoto
Loc Type:	P
XCoordinate NAD83 Meters:	190080.2
YCoordinate NAD83 Meters:	190600.91
Latitude Dec:	39.716878
Longitude Dec:	-75.532356
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	0.7608
Longitude Degrees:	-75
Longitude Minutes:	31
Longitude Seconds:	56.4816
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	X
Flood Plain Zone:	Located within area of minimal flood risk.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Not reported
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry

721 TERMINAL AVENUE (Continued) **S114018055**

House District: 16
Representative: Representative James Johnson
School District: Colonial
GMZ Name: Halby Chemical - Zone B
AG Pres District: Not reported
Water District: Not reported
Mod Grid: 110-352

DE BROWNFIELD:
Facility ID: DE-1558
Certification Date: 9.12.2013
Acreage: 2.10+/-

B21 **HALBY CHEMICAL** **SHWS** **S102519368**
SW **600 TERMINAL AVENUE** **INST CONTROL** **N/A**
1/2-1 **WILMINGTON, DE 19899**
0.868 mi.
4583 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
4 ft.

SHWS:
Facility ID: 10054300
Site Type: Chemical Plant
Care Of: Not reported
PI ID: 27286
Prog ID: DE-0067
Additional Info: NPL
Reference Pt: Unknown
Horizontal Method: Unknown
Loc Type: P
XCoordinate NAD83 Meters: 189711.07
YCoordinate NAD83 Meters: 190978.83
Latitude Dec: 39.720278
Longitude Dec: -75.536662
Latitude Degrees: 39
Latitude Minutes: 43
Latitude Seconds: 13.0008
Longitude Degrees: -75
Longitude Minutes: 32
Longitude Seconds: 11.9832
PO Name: Wilmington
Tax ID: Not reported
Sewer District: Unknown
Floodplain Zone Code: Not reported
Flood Plain Zone: Not reported
Basin: Piedmont
Watershed: Christina River
DRBC_Basin: Y
Quad: WILMINGTON SOUTH
Senate District: 2
Senator: Senator Margaret Rose Henry
House District: 16
Representative: Representative James Johnson
School District: Colonial
GMZ Name: City of Wilmingtion - 1 Zone
AG Pres District: Not reported
Water District: Not reported
Mod Grid: Not reported

HALBY CHEMICAL (Continued) **S102519368**

Inst Control:
- Facility ID: DE-0067
- Report Title: GMZ Sites
- Site Type: NPL
- Deed Restriction Date: 01/22/1998
- Restrictions: Zone A

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22 NW 1/2-1 0.895 mi. 4723 ft. **FORMER NEW ARC WELDING SITE** **SHWS S107710548**
30 COMMERCE STREET **VCP N/A**
WILMINGTON, DE 19801 **AIRS**
TIER 2

Relative: Lower

Actual: 4 ft.

SHWS:

Facility ID:	10058799
Site Type:	Commercial Development
Care Of:	Not reported
PI ID:	29603
Prog ID:	DE-1345
Additional Info:	Certified Brownfield Site
Reference Pt:	Facility Entance(General)
Horizontal Method:	Address Matching-House Number
Loc Type:	P
XCoordinate NAD83 Meters:	189842.01
YCoordinate NAD83 Meters:	192557.98
Latitude Dec:	39.734502
Longitude Dec:	-75.535164
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.2072
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	6.5904
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Christina
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-354

VCP:

Facility ID:	10058799
Program ID:	DE-1345
Site Type:	Commercial Development
Care Of:	Not reported

FORMER NEW ARC WELDING SITE (Continued) **S107710548**

Reference Pt:	Facility Entance(General)
Horizontal Method:	Address Matching-House Number
Loc Type:	P
X Coordinate Nad83 Meters:	189842.0
Y Coordinate Nad83 Meters:	192557.98
Latitude Dec:	39.7345019
Longitude Dec:	-75.535163
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	4.20720000
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	6.59039999
PO Name:	Wilmington
Tax Id:	Not reported
Sewer District:	Not reported
Floodplain Zone Code:	AE
Flood Plain Zone:	Located within 100-year floodplain, flood elevations have been determined.
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Christina
GMZ Name:	City of Wilmingtion - 1 Zone
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	110-354

AIRS:

Facility Id:	10054359
X Coordinate:	Not reported
Y Coordinate:	Not reported
Reference Point:	Not reported
Horizontal Method:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Watershed:	Not reported
Basin:	Not reported
State House District:	Not reported
Representative:	Not reported
State Senate District:	Not reported
Senator:	Not reported
School District:	Not reported
Quad:	Not reported
State Abbreviation:	Not reported
Town:	Not reported
PI ID:	24140
Prog ID:	1000300584
Additional Info:	Not reported
CareOf:	Not reported
ReferencePt:	Not reported
HorizontalMethod:	Not reported
LocType:	Not reported

FORMER NEW ARC WELDING SITE (Continued) **S107710548**

LatitudeDec:	Not reported
LongitudeDec:	Not reported
LatitudeDegrees:	Not reported
LatitudeMinutes:	Not reported
LatitudeSeconds:	Not reported
LongitudeDegrees:	Not reported
LongitudeMinutes:	Not reported
LongitudeSeconds:	Not reported
County:	Not reported
State:	Not reported
Town:	Not reported
PO Name:	Not reported
ZIP5:	Not reported
TaxID:	Not reported
SewerDistrict:	Not reported
Flood Plain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Not reported
Watershed:	Not reported
DRBC Basin:	Not reported
Quad:	Not reported
SenateDistrict:	Not reported
Senator:	Not reported
House District:	Not reported
Representative:	Not reported
School District:	Not reported
GMZ Name:	Not reported
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

TIER 2:

Facility ID:	669
Tier II Report Yr:	2009
Facility Corporate Name:	COATINGS INC
EHS Year:	Not reported
CAS Number:	N/A
Chemical:	DIESEL FUEL
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2009
Owner Operator Name:	BRUCE D BLAIR
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026611962
Compliance Contact Company:	BRUCE D BLAIR
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026611962

FORMER NEW ARC WELDING SITE (Continued) **S107710548**

Tier II Report Yr:	2009
Facility Corporate Name:	COATINGS INC
EHS Year:	Not reported
CAS Number:	N/A
Chemical:	PAINT LIQUID (COMBUSTIBLE)
Facility Status:	ACTIVE
Is EHS:	No
Is Containing EHS:	Not reported

Detail:

Tier II Report Year:	2009
Owner Operator Name:	BRUCE D BLAIR
Owner Operator Address:	Not reported
Owner Operator City/State/Zip:	Not reported
Owner Operator Country:	Not reported
Owner Operator Phone:	3026611962
Compliance Contact Company:	BRUCE D BLAIR
Compliance Contact Title:	Not reported
Compliance Contact Address1:	Not reported
Compliance Contact Address2:	Not reported
Compliance Contact City/State/Zip:	Not reported
Compliance Contact Country:	Not reported
Compliance Contact Phone:	3026611962

C23 **DCI PROPERTY** **SHWS** **S104493007**
NW **COMMERCE STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.920 mi.
4855 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
5 ft.

SHWS:

Facility ID:	10056232
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27027
Prog ID:	DE-1104
Additional Info:	Closed Site
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189760.63
YCoordinate NAD83 Meters:	192428.31
Latitude Dec:	39.733333
Longitude Dec:	-75.536107
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	59.9988
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	9.9852
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont

DCI PROPERTY (Continued) **S104493007**

Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Christina
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Facility ID:	10056232
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27027
Prog ID:	DE-1104
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189760.63
YCoordinate NAD83 Meters:	192428.31
Latitude Dec:	39.733333
Longitude Dec:	-75.536107
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	59.9988
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	9.9852
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Christina
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

C24 **COMMERCE STREET** **SHWS** **S102411355**
NW **COMMERCE STREET** **N/A**
1/2-1 **WILMINGTON, DE 19801**
0.920 mi.
4855 ft. **Site 2 of 2 in cluster C**

Relative:
Lower

Actual:
5 ft.

SHWS:

Facility ID:	10056575
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27370
Prog ID:	DE-1072
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189641.74
YCoordinate NAD83 Meters:	192551.84
Latitude Dec:	39.734444
Longitude Dec:	-75.537496
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	3.9984
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	14.9856
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Christina
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Facility ID:	10056575
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27370
Prog ID:	DE-1072
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189641.74
YCoordinate NAD83 Meters:	192551.84
Latitude Dec:	39.734444
Longitude Dec:	-75.537496
Latitude Degrees:	39

COMMERCE STREET (Continued) **S102411355**

Latitude Minutes:	44
Latitude Seconds:	3.9984
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	14.9856
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Christina
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

25
NW
1/2-1
0.949 mi.
5011 ft.

EAST 7TH ST PENINSULA - NORTH **SHWS** **S104642978**
7TH STREET **N/A**
WILMINGTON, DE 19801

Relative:
Lower

Actual:
7 ft.

SHWS:

Facility ID:	10056529
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27308
Prog ID:	DE-1128
Additional Info:	HSCA
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189991.48
YCoordinate NAD83 Meters:	192930.9
Latitude Dec:	39.737863
Longitude Dec:	-75.533422
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.3068
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	0.3192
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y

EAST 7TH ST PENINSULA - NORTH (Continued) **S104642978**

Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Facility ID:	10056529
Site Type:	Contaminated Backfill
Care Of:	Not reported
PI ID:	27308
Prog ID:	DE-1128
Additional Info:	Pre Remedial (PA/SI)
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189991.48
YCoordinate NAD83 Meters:	192930.9
Latitude Dec:	39.737863
Longitude Dec:	-75.533422
Latitude Degrees:	39
Latitude Minutes:	44
Latitude Seconds:	16.3068
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	0.3192
PO Name:	Wilmington
Tax ID:	Not reported
Sewer District:	Wilmington
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Brandywine Creek
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	2
Representative:	Representative Stephanie T Bolden
School District:	Colonial
GMZ Name:	City of Wilmingtion - 1 Zone
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

26
WSW
1/2-1
0.969 mi.
5115 ft.

560 TERMINAL AVE
560 TERMINAL AVENUE
WILMINGTON, DE 19720

SHWS **S105384117**
INST CONTROL **N/A**
VCP
BROWNFIELDS

Relative:
Lower

Actual:
7 ft.

SHWS:

Facility ID:	10056428
Site Type:	Other Industrial Plant
Care Of:	Not reported
PI ID:	27223
Prog ID:	DE-1123
Additional Info:	Certified Brownfield Site
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
XCoordinate NAD83 Meters:	189742.35
YCoordinate NAD83 Meters:	190652.37
Latitude Dec:	39.717338
Longitude Dec:	-75.536293
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	2.4168
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	10.6548
PO Name:	New Castle
Tax ID:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC_Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Colonial
GMZ Name:	Halby Chemical - Zone B
AG Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

Inst Control:

Facility ID:	DE-1123
Report Title:	Deed Restriction Sites
Site Type:	Certified Brownfield Site
Deed Restriction Date:	03/31/2003
Restrictions:	1. Limitation of Groundwater Withdrawal. No groundwater wells shall be installed, and no groundwater shall be withdrawn from any well, on the Land without the prior written approval of DNREC-SIRB.2. Amendment. The foregoing covenants shall not be modified, amended or altered in whole or in part except with the express written and properly recorded approval of DNREC-SIRB, or its successor, which shall be the only approval or consent required.3. Violation of Covenants. If Declarant violates any of the restrictive covenants imposed by this Declaration, DNREC-SIRB, or its duly appointed

560 TERMINAL AVE (Continued) **S105384117**

successor, shall have the right to proceed at law or in equity to enforce compliance with or prevent the violation or breach of the terms hereof.4. Scope and Interpretations. This Declaration shall be governed by Delaware law, shall have no application to or effect upon any property other than the Land as described in Exhibit "A", and shall not be interpreted to benefit any party other than DNREC-SIRB, or its duly appointed successor. No rights hereunder may be assigned by DNREC-SIRB except by operation of law to its duly appointed successor.

VCP:

Facility ID:	10056428
Program ID:	DE-1123
Site Type:	Other Industrial Plant
Care Of:	Not reported
Reference Pt:	Unknown
Horizontal Method:	Unknown
Loc Type:	P
X Coordinate Nad83 Meters:	189742.3
Y Coordinate Nad83 Meters:	190652.37
Latitude Dec:	39.7173379
Longitude Dec:	-75.536293
Latitude Degrees:	39
Latitude Minutes:	43
Latitude Seconds:	2.41679999
Longitude Degrees:	-75
Longitude Minutes:	32
Longitude Seconds:	10.6548
PO Name:	New Castle
Tax Id:	Not reported
Sewer District:	Unknown
Floodplain Zone Code:	Not reported
Flood Plain Zone:	Not reported
Basin:	Piedmont
Watershed:	Christina River
DRBC Basin:	Y
Quad:	WILMINGTON SOUTH
Senate District:	2
Senator:	Senator Margaret Rose Henry
House District:	16
Representative:	Representative James Johnson
School District:	Colonial
GMZ Name:	Halby Chemical - Zone B
Ag Pres District:	Not reported
Water District:	Not reported
Mod Grid:	Not reported

DE BROWNFIELD:

Facility ID:	DE- 1123
Certification Date:	8.13.2010
Acreage:	7.11+/-

Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WILMINGTON	S109345774	A AND TOWNSEND STREETS	1017, 1019, 1021 A STREET, 333	19801	SHWS, INST CONTROL
WILMINGTON	S108514891	PENINSULA VENTURES	1170, 1155, 1145 EAST 7TH STRE	19801	SHWS, INST CONTROL
WILMINGTON	1009508590	CONECTIV HAY ROAD SITE	HAY ROAD	19801	EDR MGP
WILMINGTON	1001814352	12TH STREET DUMP SITE (AKA 12TH ST	NEAR 12TH STREET RAMP TO I-495	19802	SEMS-ARCHIVE, PRP, ICIS, FINDS, ECHO

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/13/2015
Date Data Arrived at EDR: 01/06/2016
Date Made Active in Reports: 05/20/2016
Number of Days to Update: 135

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/05/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/05/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/16/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/10/2015
Date Data Arrived at EDR: 09/11/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/10/2015
Date Data Arrived at EDR: 09/11/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/28/2016
Date Data Arrived at EDR: 03/30/2016
Date Made Active in Reports: 05/20/2016
Number of Days to Update: 51

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Hazardous Substance Release Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 35

Source: Department of Natural Resources and Environmental Control
Telephone: 302-395-2600
Last EDR Contact: 05/18/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/04/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 65

Source: Department of Natural Resources and Environmental Control
Telephone: 302-739-3820
Last EDR Contact: 07/08/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Project Listing

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/18/2016
Date Data Arrived at EDR: 04/20/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 51

Source: Department of Natural Resources and Environmental Control
Telephone: 302-395-2500
Last EDR Contact: 04/20/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites

Leaking aboveground storage tank site locations.

Date of Government Version: 04/18/2016
Date Data Arrived at EDR: 04/20/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 51

Source: Department of Natural Resources & Control
Telephone: 302-395-2500
Last EDR Contact: 04/20/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015
Date Data Arrived at EDR: 02/12/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 112
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015
Date Data Arrived at EDR: 02/19/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 105
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/26/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Varies

UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/18/2016
Date Data Arrived at EDR: 04/20/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 51

Source: Department of Natural Resources and Environmental Control
Telephone: 302-395-2500
Last EDR Contact: 04/20/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Sites
Facilities with aboveground storage tanks.

Date of Government Version: 04/04/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 65

Source: Department of Natural Resources and Environmental Control
Telephone: 302-739-4764
Last EDR Contact: 07/08/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 12/03/2015
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 120

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/26/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/26/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 119

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

Inst Control: All Sites with Deed Restrictions

Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 35

Source: Department of Natural Resources & Environmental Control
Telephone: 302-395-2600
Last EDR Contact: 05/18/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/01/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

When a property is contaminated with hazardous substances there are liabilities associated with the cleanup of the site under Federal and State Superfund laws, regardless of who caused the contamination and when it was caused. Because of this liability, old industrial sites (with contamination) located close to well developed infrastructure do not attract developers or buyers. These individuals prefer to purchase pristine property without contamination known as "greenfield." Under the Voluntary Cleanup Program (VCP) developers and buyers performing the cleanup of contaminated properties would be provided the much needed protection from potential liabilities for past contamination. Thus, they can proceed with the purchase or development of the property with the assurance that they will not be held liable for environmental problems that were a result of past practices at the site.

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 35

Source: Department of Natural Resources & Environmental Control
Telephone: 302-395-2600
Last EDR Contact: 05/18/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

BROWNFIELDS: Certified Brownfields

Sites that have requested brownfields certification from the Secretary of DNREC.

Date of Government Version: 04/11/2016
Date Data Arrived at EDR: 05/13/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 28

Source: Dept. of Natural Resources & Environmental Control
Telephone: 302-739-4764
Last EDR Contact: 05/09/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/21/2016
Date Data Arrived at EDR: 03/22/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recyclers Directory

A listing of recycling facilities.

Date of Government Version: 04/08/2016
Date Data Arrived at EDR: 04/12/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 59

Source: Delaware Econonmic Development Office
Telephone: 302-739-4271
Last EDR Contact: 07/05/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/21/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/04/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 40

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/04/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 40

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/26/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

SPILLS: Environmental Release Notification System

The Department of Natural Resources and Environmental Control (DNREC) developed this system to allow Delawareans to learn promptly of releases or discharges of contaminants or pollutants that meet or exceed certain thresholds in their neighborhoods or throughout the state.

Date of Government Version: 05/04/2016
Date Data Arrived at EDR: 05/10/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 31

Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9902
Last EDR Contact: 04/21/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/10/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/15/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/15/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/20/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015
Date Data Arrived at EDR: 09/03/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/18/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/09/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/12/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/24/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/24/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/25/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/07/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015
Date Data Arrived at EDR: 08/26/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 69
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/25/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/12/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/12/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/20/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/20/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 03/18/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 28

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/06/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/09/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/10/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 04/26/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/04/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/27/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/15/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/11/2016
Date Data Arrived at EDR: 03/15/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 80

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/09/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/23/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/08/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2016
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/03/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/03/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (215) 814-5000
Last EDR Contact: 06/08/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 03/01/2016
Date Data Arrived at EDR: 03/03/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 06/20/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Varies

AIRS: Air Emissions Listing

A listing of facilities with air emissions.

Date of Government Version: 04/04/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 65

Source: Department of Natural Resources & Environmental Control
Telephone: 302-323-4542
Last EDR Contact: 07/08/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

DRYCLEANERS: DRYCLEANERS

A listing of drycleaner facility locations.

Date of Government Version: 12/15/2015
Date Data Arrived at EDR: 01/12/2016
Date Made Active in Reports: 03/08/2016
Number of Days to Update: 56

Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9400
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Quarterly

ENFORCEMENT: Notice of Violations

Notice of violations are based on the observations of, and information submitted to, DNREC personnel. They only represent preliminary findings of the Department and are subject to further technical and legal review. These notices may or may not result in an enforcement action. Divisions included are Water Resources Air & Waste Management

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/17/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 36

Source: Department of Natural Recourses & Conservation
Telephone: 302-738-9401
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/10/2016
Date Made Active in Reports: 03/08/2016
Number of Days to Update: 27

Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9403
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 02/10/2016
Date Made Active in Reports: 03/08/2016
Number of Days to Update: 27

Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9403
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information Listing

Underground storage tank financial assurance information.

Date of Government Version: 04/18/2016
Date Data Arrived at EDR: 04/20/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 51

Source: Department of Natural Resources & Environmental Control
Telephone: 302-395-2500
Last EDR Contact: 04/20/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Semi-Annually

NPDES: Wasterwater Permit Listing

A listing of wastewater permits.

Date of Government Version: 04/05/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 65

Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9946
Last EDR Contact: 07/08/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/04/2015
Number of Days to Update: 13

Source: Department of Natural Resources & Environmental Control
Telephone: 302-739-9405
Last EDR Contact: 05/02/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Varies

UIC: Underground Injection Wells Inventory Listing

A listing of underground injection well locations.

Date of Government Version: 04/26/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 06/10/2016
Number of Days to Update: 43

Source: DNREC
Telephone: 302-739-9948
Last EDR Contact: 04/25/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/24/2016
Date Data Arrived at EDR: 05/25/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 49

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/25/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/20/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 103

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Deparment of Natural Resources and Environmental Control in Delaware.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Natural Resources and Environmental Control
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Deparment of Natural Resources and Environmental Control in Delaware.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/17/2014
Number of Days to Update: 200

Source: Department of Natural Resources and Environmental Control
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/13/2016
Next Scheduled EDR Contact: 08/29/2016
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/11/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/06/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 42

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/06/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/06/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/13/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Child Care Facility List
Source: Department of Services for Children
Telephone: 302-633-2500

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Statewide Wetlands Mapping Project
Source: Dept. of Natural Resources & Environmental Conservation
Telephone: 302-739-4691

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WILMINGTON HARBOR NORTH
12ST AND HAY RD
WILMINGTON, DE 19801

TARGET PROPERTY COORDINATES

Latitude (North):	39.726683 - 39° 43' 36.06''
Longitude (West):	75.523033 - 75° 31' 22.92''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	455175.3
UTM Y (Meters):	4397343.5
Elevation:	28 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6049807 WILMINGTON SOUTH, DE
Version Date:	2014

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

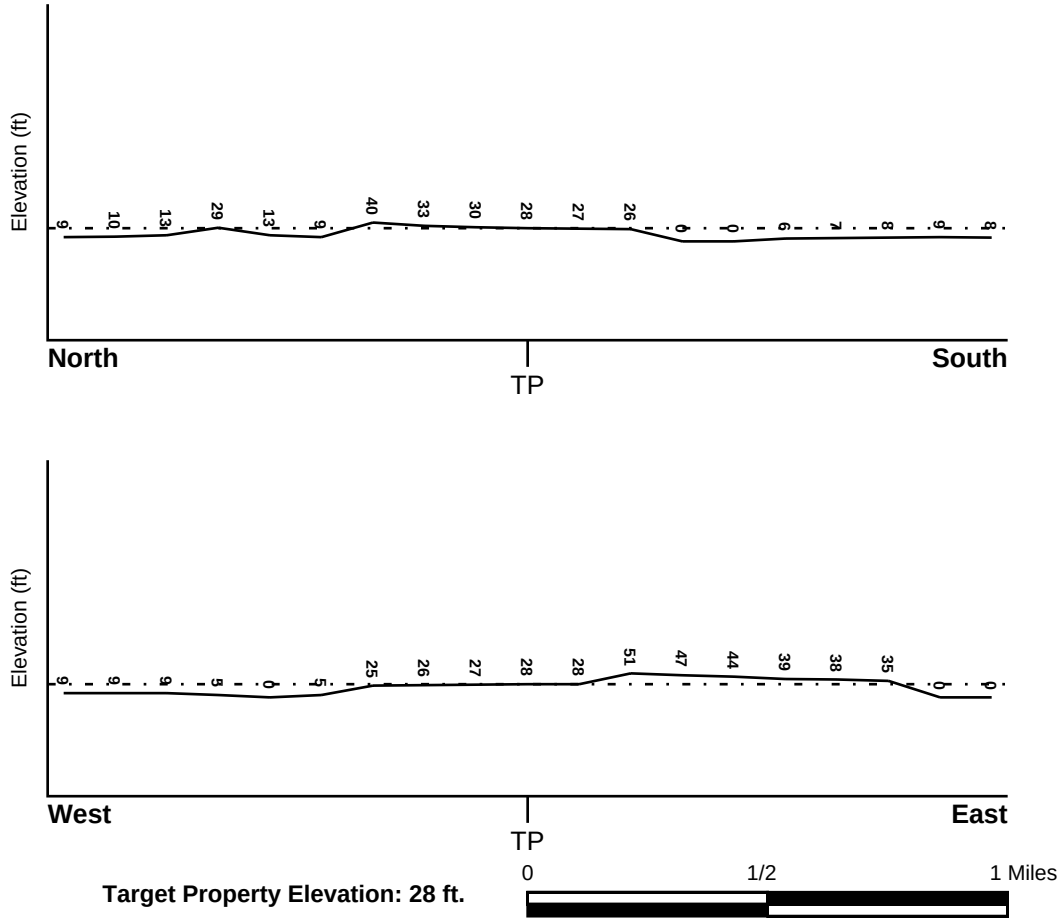
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 28 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
NEW CASTLE, DE	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 10003C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
WILMINGTON SOUTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile WSW
Site Name:	Halby Chemical Co
Site EPA ID Number:	DED980830954
Groundwater Flow Direction:	NOT AVAILABLE.
Inferred Depth to Water:	approximately 5 feet.
Hydraulic Connection:	Information is not available about the hydraulic connection between aquifer(s) underlying the site.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT **GEOLOGIC AGE IDENTIFICATION**

Era:	Mesozoic	Category:	Stratified Sequence
System:	Cretaceous		
Series:	Lower Cretaceous		
Code:	lK *(decoded above as Era, System & Series)*		

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: extremely gravelly - coarse sand
silt loam
loam

Surficial Soil Types: extremely gravelly - coarse sand
silt loam
loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: extremely gravelly - sand
sand
stratified
clay loam
loam
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AF607	USGS40000231759	1/2 - 1 Mile WSW
AM622	USGS40000231758	1/2 - 1 Mile SW
AM623	USGS40000231757	1/2 - 1 Mile SW
AU693	USGS40000231755	1/2 - 1 Mile SW
AV698	USGS40000231756	1/2 - 1 Mile SW
779	USGS40000231754	1/2 - 1 Mile SW
BF802	USGS40000231760	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	DE1000000120013	1/8 - 1/4 Mile NE
B2	DE1000000105369	1/8 - 1/4 Mile NNE
B3	DE1000000105370	1/8 - 1/4 Mile NNE
B4	DE1000000105371	1/8 - 1/4 Mile NNE
5	DE1000000133464	1/8 - 1/4 Mile NNW
A6	DE1000000105376	1/4 - 1/2 Mile NE
A7	DE1000000105377	1/4 - 1/2 Mile NE
A8	DE1000000105378	1/4 - 1/2 Mile NE
9	DE1000000120014	1/4 - 1/2 Mile North
C10	DE1000000105373	1/4 - 1/2 Mile NE
C11	DE1000000105374	1/4 - 1/2 Mile NE
C12	DE1000000105375	1/4 - 1/2 Mile NE
D13	DE1000000105430	1/4 - 1/2 Mile ESE
D14	DE1000000105431	1/4 - 1/2 Mile ESE
E15	DE1000000105372	1/4 - 1/2 Mile NNE
E16	DE1000000105367	1/4 - 1/2 Mile NNE
E17	DE1000000105368	1/4 - 1/2 Mile NNE
E18	DE1000000105423	1/4 - 1/2 Mile NNE
E19	DE1000000105424	1/4 - 1/2 Mile NNE
E20	DE1000000105422	1/4 - 1/2 Mile NNE
E21	DE1000000105420	1/4 - 1/2 Mile NNE
E22	DE1000000105421	1/4 - 1/2 Mile NNE
E23	DE1000000105428	1/4 - 1/2 Mile NNE
E24	DE1000000105429	1/4 - 1/2 Mile NNE
E25	DE1000000105427	1/4 - 1/2 Mile NNE
E26	DE1000000105425	1/4 - 1/2 Mile NNE
E27	DE1000000105426	1/4 - 1/2 Mile NNE
F28	DE1000000105418	1/4 - 1/2 Mile ENE
F29	DE1000000105419	1/4 - 1/2 Mile ENE
G30	DE1000000118976	1/4 - 1/2 Mile North

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G31	DE1000000118977	1/4 - 1/2 Mile North
H32	DE1000000132006	1/4 - 1/2 Mile NE
H33	DE1000000132005	1/4 - 1/2 Mile NE
H34	DE1000000132008	1/4 - 1/2 Mile NE
H35	DE1000000132007	1/4 - 1/2 Mile NE
I36	DE1000000120010	1/4 - 1/2 Mile WSW
I37	DE1000000120011	1/4 - 1/2 Mile WSW
J38	DE1000000105391	1/4 - 1/2 Mile East
J39	DE1000000105390	1/4 - 1/2 Mile East
J40	DE1000000105389	1/4 - 1/2 Mile East
J41	DE1000000105394	1/4 - 1/2 Mile East
J42	DE1000000105393	1/4 - 1/2 Mile East
J43	DE1000000105392	1/4 - 1/2 Mile East
K44	DE1000000105479	1/4 - 1/2 Mile East
K45	DE1000000105480	1/4 - 1/2 Mile East
H46	DE1000000110215	1/4 - 1/2 Mile ENE
H47	DE1000000110216	1/4 - 1/2 Mile ENE
H48	DE1000000110217	1/4 - 1/2 Mile ENE
H49	DE1000000110214	1/4 - 1/2 Mile ENE
H50	DE1000000110211	1/4 - 1/2 Mile ENE
H51	DE1000000110212	1/4 - 1/2 Mile ENE
H52	DE1000000110213	1/4 - 1/2 Mile ENE
H53	DE1000000110476	1/4 - 1/2 Mile ENE
H54	DE1000000110477	1/4 - 1/2 Mile ENE
H55	DE1000000110478	1/4 - 1/2 Mile ENE
H56	DE1000000110475	1/4 - 1/2 Mile ENE
H57	DE1000000110218	1/4 - 1/2 Mile ENE
H58	DE1000000110219	1/4 - 1/2 Mile ENE
H59	DE1000000110474	1/4 - 1/2 Mile ENE
H60	DE1000000110131	1/4 - 1/2 Mile ENE
H61	DE1000000110132	1/4 - 1/2 Mile ENE
H62	DE1000000110133	1/4 - 1/2 Mile ENE
H63	DE1000000110130	1/4 - 1/2 Mile ENE
H64	DE1000000110127	1/4 - 1/2 Mile ENE
H65	DE1000000110128	1/4 - 1/2 Mile ENE
H66	DE1000000110129	1/4 - 1/2 Mile ENE
H67	DE1000000110208	1/4 - 1/2 Mile ENE
H68	DE1000000110209	1/4 - 1/2 Mile ENE
H69	DE1000000110210	1/4 - 1/2 Mile ENE
H70	DE1000000110137	1/4 - 1/2 Mile ENE
H71	DE1000000110134	1/4 - 1/2 Mile ENE
H72	DE1000000110135	1/4 - 1/2 Mile ENE
H73	DE1000000110136	1/4 - 1/2 Mile ENE
H74	DE1000000110836	1/4 - 1/2 Mile ENE
H75	DE1000000110837	1/4 - 1/2 Mile ENE
H76	DE1000000110838	1/4 - 1/2 Mile ENE
H77	DE1000000110821	1/4 - 1/2 Mile ENE
H78	DE1000000110818	1/4 - 1/2 Mile ENE
H79	DE1000000110819	1/4 - 1/2 Mile ENE
H80	DE1000000110820	1/4 - 1/2 Mile ENE
H81	DE1000000111027	1/4 - 1/2 Mile ENE
H82	DE1000000111028	1/4 - 1/2 Mile ENE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
H83	DE1000000111029	1/4 - 1/2 Mile ENE
H84	DE1000000111026	1/4 - 1/2 Mile ENE
H85	DE1000000111023	1/4 - 1/2 Mile ENE
H86	DE1000000111024	1/4 - 1/2 Mile ENE
H87	DE1000000111025	1/4 - 1/2 Mile ENE
H88	DE1000000110483	1/4 - 1/2 Mile ENE
H89	DE1000000110484	1/4 - 1/2 Mile ENE
H90	DE1000000110485	1/4 - 1/2 Mile ENE
H91	DE1000000110482	1/4 - 1/2 Mile ENE
H92	DE1000000110479	1/4 - 1/2 Mile ENE
H93	DE1000000110480	1/4 - 1/2 Mile ENE
H94	DE1000000110481	1/4 - 1/2 Mile ENE
H95	DE1000000110490	1/4 - 1/2 Mile ENE
H96	DE1000000110797	1/4 - 1/2 Mile ENE
H97	DE1000000110817	1/4 - 1/2 Mile ENE
H98	DE1000000110489	1/4 - 1/2 Mile ENE
H99	DE1000000110486	1/4 - 1/2 Mile ENE
H100	DE1000000110487	1/4 - 1/2 Mile ENE
H101	DE1000000110488	1/4 - 1/2 Mile ENE
H102	DE1000000103307	1/4 - 1/2 Mile ENE
H103	DE1000000103308	1/4 - 1/2 Mile ENE
H104	DE1000000103309	1/4 - 1/2 Mile ENE
H105	DE1000000103306	1/4 - 1/2 Mile ENE
H106	DE1000000103303	1/4 - 1/2 Mile ENE
H107	DE1000000103304	1/4 - 1/2 Mile ENE
H108	DE1000000103305	1/4 - 1/2 Mile ENE
H109	DE1000000103314	1/4 - 1/2 Mile ENE
H110	DE1000000103315	1/4 - 1/2 Mile ENE
H111	DE1000000103316	1/4 - 1/2 Mile ENE
H112	DE1000000103313	1/4 - 1/2 Mile ENE
H113	DE1000000103310	1/4 - 1/2 Mile ENE
H114	DE1000000103311	1/4 - 1/2 Mile ENE
H115	DE1000000103312	1/4 - 1/2 Mile ENE
H116	DE1000000103293	1/4 - 1/2 Mile ENE
H117	DE1000000103294	1/4 - 1/2 Mile ENE
H118	DE1000000103295	1/4 - 1/2 Mile ENE
H119	DE1000000103292	1/4 - 1/2 Mile ENE
H120	DE1000000103289	1/4 - 1/2 Mile ENE
H121	DE1000000103290	1/4 - 1/2 Mile ENE
H122	DE1000000103291	1/4 - 1/2 Mile ENE
H123	DE1000000103300	1/4 - 1/2 Mile ENE
H124	DE1000000103301	1/4 - 1/2 Mile ENE
H125	DE1000000103302	1/4 - 1/2 Mile ENE
H126	DE1000000103299	1/4 - 1/2 Mile ENE
H127	DE1000000103296	1/4 - 1/2 Mile ENE
H128	DE1000000103297	1/4 - 1/2 Mile ENE
H129	DE1000000103298	1/4 - 1/2 Mile ENE
H130	DE1000000103409	1/4 - 1/2 Mile ENE
H131	DE1000000109370	1/4 - 1/2 Mile ENE
H132	DE1000000109696	1/4 - 1/2 Mile ENE
H133	DE1000000103334	1/4 - 1/2 Mile ENE
H134	DE1000000103331	1/4 - 1/2 Mile ENE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
H135	DE1000000103332	1/4 - 1/2 Mile ENE
H136	DE1000000103333	1/4 - 1/2 Mile ENE
H137	DE1000000110123	1/4 - 1/2 Mile ENE
H138	DE1000000110125	1/4 - 1/2 Mile ENE
H139	DE1000000110126	1/4 - 1/2 Mile ENE
H140	DE1000000110122	1/4 - 1/2 Mile ENE
H141	DE1000000110023	1/4 - 1/2 Mile ENE
H142	DE1000000110120	1/4 - 1/2 Mile ENE
H143	DE1000000110121	1/4 - 1/2 Mile ENE
H144	DE1000000103321	1/4 - 1/2 Mile ENE
H145	DE1000000103322	1/4 - 1/2 Mile ENE
H146	DE1000000103323	1/4 - 1/2 Mile ENE
H147	DE1000000103320	1/4 - 1/2 Mile ENE
H148	DE1000000103317	1/4 - 1/2 Mile ENE
H149	DE1000000103318	1/4 - 1/2 Mile ENE
H150	DE1000000103319	1/4 - 1/2 Mile ENE
H151	DE1000000103328	1/4 - 1/2 Mile ENE
H152	DE1000000103329	1/4 - 1/2 Mile ENE
H153	DE1000000103330	1/4 - 1/2 Mile ENE
H154	DE1000000103327	1/4 - 1/2 Mile ENE
H155	DE1000000103324	1/4 - 1/2 Mile ENE
H156	DE1000000103325	1/4 - 1/2 Mile ENE
H157	DE1000000103326	1/4 - 1/2 Mile ENE
H158	DE1000000111030	1/4 - 1/2 Mile ENE
H159	DE1000000115854	1/4 - 1/2 Mile ENE
H160	DE1000000115855	1/4 - 1/2 Mile ENE
H161	DE1000000115856	1/4 - 1/2 Mile ENE
H162	DE1000000115853	1/4 - 1/2 Mile ENE
H163	DE1000000115850	1/4 - 1/2 Mile ENE
H164	DE1000000115851	1/4 - 1/2 Mile ENE
H165	DE1000000115852	1/4 - 1/2 Mile ENE
H166	DE1000000117094	1/4 - 1/2 Mile ENE
H167	DE1000000117095	1/4 - 1/2 Mile ENE
H168	DE1000000117096	1/4 - 1/2 Mile ENE
H169	DE1000000117039	1/4 - 1/2 Mile ENE
H170	DE1000000116496	1/4 - 1/2 Mile ENE
H171	DE1000000116497	1/4 - 1/2 Mile ENE
H172	DE1000000116498	1/4 - 1/2 Mile ENE
H173	DE1000000115585	1/4 - 1/2 Mile ENE
H174	DE1000000115586	1/4 - 1/2 Mile ENE
H175	DE1000000115587	1/4 - 1/2 Mile ENE
H176	DE1000000114777	1/4 - 1/2 Mile ENE
H177	DE1000000114499	1/4 - 1/2 Mile ENE
H178	DE1000000114775	1/4 - 1/2 Mile ENE
H179	DE1000000114776	1/4 - 1/2 Mile ENE
H180	DE1000000115847	1/4 - 1/2 Mile ENE
H181	DE1000000115848	1/4 - 1/2 Mile ENE
H182	DE1000000115849	1/4 - 1/2 Mile ENE
H183	DE1000000115591	1/4 - 1/2 Mile ENE
H184	DE1000000115588	1/4 - 1/2 Mile ENE
H185	DE1000000115589	1/4 - 1/2 Mile ENE
H186	DE1000000115590	1/4 - 1/2 Mile ENE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
H187	DE1000000125674	1/4 - 1/2 Mile ENE
H188	DE1000000125675	1/4 - 1/2 Mile ENE
H189	DE1000000125676	1/4 - 1/2 Mile ENE
H190	DE1000000125673	1/4 - 1/2 Mile ENE
H191	DE1000000125670	1/4 - 1/2 Mile ENE
H192	DE1000000125671	1/4 - 1/2 Mile ENE
H193	DE1000000125672	1/4 - 1/2 Mile ENE
H194	DE1000000125681	1/4 - 1/2 Mile ENE
H195	DE1000000134215	1/4 - 1/2 Mile ENE
H196	DE1000000134222	1/4 - 1/2 Mile ENE
H197	DE1000000125680	1/4 - 1/2 Mile ENE
H198	DE1000000125677	1/4 - 1/2 Mile ENE
H199	DE1000000125678	1/4 - 1/2 Mile ENE
H200	DE1000000125679	1/4 - 1/2 Mile ENE
H201	DE1000000117101	1/4 - 1/2 Mile ENE
H202	DE1000000117139	1/4 - 1/2 Mile ENE
H203	DE1000000125662	1/4 - 1/2 Mile ENE
H204	DE1000000117100	1/4 - 1/2 Mile ENE
H205	DE1000000117097	1/4 - 1/2 Mile ENE
H206	DE1000000117098	1/4 - 1/2 Mile ENE
H207	DE1000000117099	1/4 - 1/2 Mile ENE
H208	DE1000000125667	1/4 - 1/2 Mile ENE
H209	DE1000000125668	1/4 - 1/2 Mile ENE
H210	DE1000000125669	1/4 - 1/2 Mile ENE
H211	DE1000000125666	1/4 - 1/2 Mile ENE
H212	DE1000000125663	1/4 - 1/2 Mile ENE
H213	DE1000000125664	1/4 - 1/2 Mile ENE
H214	DE1000000125665	1/4 - 1/2 Mile ENE
H215	DE1000000111098	1/4 - 1/2 Mile ENE
H216	DE1000000111099	1/4 - 1/2 Mile ENE
H217	DE1000000111100	1/4 - 1/2 Mile ENE
H218	DE1000000111097	1/4 - 1/2 Mile ENE
H219	DE1000000111094	1/4 - 1/2 Mile ENE
H220	DE1000000111095	1/4 - 1/2 Mile ENE
H221	DE1000000111096	1/4 - 1/2 Mile ENE
H222	DE1000000111105	1/4 - 1/2 Mile ENE
H223	DE1000000111106	1/4 - 1/2 Mile ENE
H224	DE1000000111107	1/4 - 1/2 Mile ENE
H225	DE1000000111104	1/4 - 1/2 Mile ENE
H226	DE1000000111101	1/4 - 1/2 Mile ENE
H227	DE1000000111102	1/4 - 1/2 Mile ENE
H228	DE1000000111103	1/4 - 1/2 Mile ENE
H229	DE1000000111084	1/4 - 1/2 Mile ENE
H230	DE1000000111085	1/4 - 1/2 Mile ENE
H231	DE1000000111086	1/4 - 1/2 Mile ENE
H232	DE1000000111083	1/4 - 1/2 Mile ENE
H233	DE1000000111080	1/4 - 1/2 Mile ENE
H234	DE1000000111081	1/4 - 1/2 Mile ENE
H235	DE1000000111082	1/4 - 1/2 Mile ENE
H236	DE1000000111091	1/4 - 1/2 Mile ENE
H237	DE1000000111092	1/4 - 1/2 Mile ENE
H238	DE1000000111093	1/4 - 1/2 Mile ENE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
H239	DE1000000111090	1/4 - 1/2 Mile ENE
H240	DE1000000111087	1/4 - 1/2 Mile ENE
H241	DE1000000111088	1/4 - 1/2 Mile ENE
H242	DE1000000111089	1/4 - 1/2 Mile ENE
H243	DE1000000114489	1/4 - 1/2 Mile ENE
H244	DE1000000114490	1/4 - 1/2 Mile ENE
H245	DE1000000114491	1/4 - 1/2 Mile ENE
H246	DE1000000114488	1/4 - 1/2 Mile ENE
H247	DE1000000114485	1/4 - 1/2 Mile ENE
H248	DE1000000114486	1/4 - 1/2 Mile ENE
H249	DE1000000114487	1/4 - 1/2 Mile ENE
H250	DE1000000114496	1/4 - 1/2 Mile ENE
H251	DE1000000114497	1/4 - 1/2 Mile ENE
H252	DE1000000114498	1/4 - 1/2 Mile ENE
H253	DE1000000114495	1/4 - 1/2 Mile ENE
H254	DE1000000114492	1/4 - 1/2 Mile ENE
H255	DE1000000114493	1/4 - 1/2 Mile ENE
H256	DE1000000114494	1/4 - 1/2 Mile ENE
H257	DE1000000112385	1/4 - 1/2 Mile ENE
H258	DE1000000112386	1/4 - 1/2 Mile ENE
H259	DE1000000112387	1/4 - 1/2 Mile ENE
H260	DE1000000112384	1/4 - 1/2 Mile ENE
H261	DE1000000111108	1/4 - 1/2 Mile ENE
H262	DE1000000111109	1/4 - 1/2 Mile ENE
H263	DE1000000112212	1/4 - 1/2 Mile ENE
H264	DE1000000114461	1/4 - 1/2 Mile ENE
H265	DE1000000114462	1/4 - 1/2 Mile ENE
H266	DE1000000114469	1/4 - 1/2 Mile ENE
H267	DE1000000114460	1/4 - 1/2 Mile ENE
H268	DE1000000113604	1/4 - 1/2 Mile ENE
H269	DE1000000113605	1/4 - 1/2 Mile ENE
H270	DE1000000113660	1/4 - 1/2 Mile ENE
H271	DE1000000100340	1/4 - 1/2 Mile ENE
H272	DE1000000100339	1/4 - 1/2 Mile ENE
H273	DE1000000100342	1/4 - 1/2 Mile ENE
H274	DE1000000100341	1/4 - 1/2 Mile ENE
H275	DE1000000100338	1/4 - 1/2 Mile ENE
H276	DE1000000100335	1/4 - 1/2 Mile ENE
H277	DE1000000100334	1/4 - 1/2 Mile ENE
H278	DE1000000100337	1/4 - 1/2 Mile ENE
H279	DE1000000100336	1/4 - 1/2 Mile ENE
H280	DE1000000100343	1/4 - 1/2 Mile ENE
H281	DE1000000100350	1/4 - 1/2 Mile ENE
H282	DE1000000100349	1/4 - 1/2 Mile ENE
H283	DE1000000100352	1/4 - 1/2 Mile ENE
H284	DE1000000100351	1/4 - 1/2 Mile ENE
H285	DE1000000100348	1/4 - 1/2 Mile ENE
H286	DE1000000100345	1/4 - 1/2 Mile ENE
H287	DE1000000100344	1/4 - 1/2 Mile ENE
H288	DE1000000100347	1/4 - 1/2 Mile ENE
H289	DE1000000100346	1/4 - 1/2 Mile ENE
H290	DE1000000012710	1/4 - 1/2 Mile ENE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
H291	DE1000000012709	1/4 - 1/2 Mile ENE
H292	DE1000000099095	1/4 - 1/2 Mile ENE
H293	DE1000000098853	1/4 - 1/2 Mile ENE
H294	DE1000000012708	1/4 - 1/2 Mile ENE
H295	DE1000000012705	1/4 - 1/2 Mile ENE
H296	DE1000000012704	1/4 - 1/2 Mile ENE
H297	DE1000000012707	1/4 - 1/2 Mile ENE
H298	DE1000000012706	1/4 - 1/2 Mile ENE
H299	DE1000000099096	1/4 - 1/2 Mile ENE
H300	DE1000000100331	1/4 - 1/2 Mile ENE
H301	DE1000000100330	1/4 - 1/2 Mile ENE
H302	DE1000000100333	1/4 - 1/2 Mile ENE
H303	DE1000000100332	1/4 - 1/2 Mile ENE
H304	DE1000000099101	1/4 - 1/2 Mile ENE
H305	DE1000000099098	1/4 - 1/2 Mile ENE
H306	DE1000000099097	1/4 - 1/2 Mile ENE
H307	DE1000000099100	1/4 - 1/2 Mile ENE
H308	DE1000000099099	1/4 - 1/2 Mile ENE
H309	DE1000000100353	1/4 - 1/2 Mile ENE
H310	DE1000000103276	1/4 - 1/2 Mile ENE
H311	DE1000000103275	1/4 - 1/2 Mile ENE
H312	DE1000000103278	1/4 - 1/2 Mile ENE
H313	DE1000000103277	1/4 - 1/2 Mile ENE
H314	DE1000000103274	1/4 - 1/2 Mile ENE
H315	DE1000000102568	1/4 - 1/2 Mile ENE
H316	DE1000000102567	1/4 - 1/2 Mile ENE
H317	DE1000000102683	1/4 - 1/2 Mile ENE
H318	DE1000000102569	1/4 - 1/2 Mile ENE
H319	DE1000000103279	1/4 - 1/2 Mile ENE
H320	DE1000000103286	1/4 - 1/2 Mile ENE
H321	DE1000000103285	1/4 - 1/2 Mile ENE
H322	DE1000000103288	1/4 - 1/2 Mile ENE
H323	DE1000000103287	1/4 - 1/2 Mile ENE
H324	DE1000000103284	1/4 - 1/2 Mile ENE
H325	DE1000000103281	1/4 - 1/2 Mile ENE
H326	DE1000000103280	1/4 - 1/2 Mile ENE
H327	DE1000000103283	1/4 - 1/2 Mile ENE
H328	DE1000000103282	1/4 - 1/2 Mile ENE
H329	DE1000000100360	1/4 - 1/2 Mile ENE
H330	DE1000000100359	1/4 - 1/2 Mile ENE
H331	DE1000000100362	1/4 - 1/2 Mile ENE
H332	DE1000000100361	1/4 - 1/2 Mile ENE
H333	DE1000000100358	1/4 - 1/2 Mile ENE
H334	DE1000000100355	1/4 - 1/2 Mile ENE
H335	DE1000000100354	1/4 - 1/2 Mile ENE
H336	DE1000000100357	1/4 - 1/2 Mile ENE
H337	DE1000000100356	1/4 - 1/2 Mile ENE
H338	DE1000000100363	1/4 - 1/2 Mile ENE
H339	DE1000000100650	1/4 - 1/2 Mile ENE
H340	DE1000000100649	1/4 - 1/2 Mile ENE
H341	DE1000000102477	1/4 - 1/2 Mile ENE
H342	DE1000000102126	1/4 - 1/2 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
H343	DE1000000100648	1/4 - 1/2 Mile ENE
H344	DE1000000100490	1/4 - 1/2 Mile ENE
H345	DE1000000100489	1/4 - 1/2 Mile ENE
H346	DE1000000100492	1/4 - 1/2 Mile ENE
H347	DE1000000100491	1/4 - 1/2 Mile ENE
H348	DE1000000105311	1/4 - 1/2 Mile NE
H349	DE1000000105312	1/4 - 1/2 Mile NE
H350	DE1000000105310	1/4 - 1/2 Mile NE
H351	DE1000000105308	1/4 - 1/2 Mile NE
H352	DE1000000105309	1/4 - 1/2 Mile NE
H353	DE1000000105316	1/4 - 1/2 Mile NE
H354	DE1000000105317	1/4 - 1/2 Mile NE
H355	DE1000000105315	1/4 - 1/2 Mile NE
H356	DE1000000105313	1/4 - 1/2 Mile NE
H357	DE1000000105314	1/4 - 1/2 Mile NE
K358	DE1000000105472	1/4 - 1/2 Mile East
K359	DE1000000105473	1/4 - 1/2 Mile East
K360	DE1000000105471	1/4 - 1/2 Mile East
K361	DE1000000105469	1/4 - 1/2 Mile East
K362	DE1000000105470	1/4 - 1/2 Mile East
K363	DE1000000105477	1/4 - 1/2 Mile East
K364	DE1000000105478	1/4 - 1/2 Mile East
K365	DE1000000105476	1/4 - 1/2 Mile East
K366	DE1000000105474	1/4 - 1/2 Mile East
K367	DE1000000105475	1/4 - 1/2 Mile East
368	DE1000000121144	1/4 - 1/2 Mile West
L369	DE1000000105465	1/4 - 1/2 Mile ENE
L370	DE1000000105464	1/4 - 1/2 Mile ENE
L371	DE1000000105466	1/4 - 1/2 Mile ENE
L372	DE1000000105468	1/4 - 1/2 Mile ENE
L373	DE1000000105467	1/4 - 1/2 Mile ENE
374	DE1000000120012	1/4 - 1/2 Mile NNE
M375	DE1000000123749	1/2 - 1 Mile SE
M376	DE1000000123750	1/2 - 1 Mile SE
M377	DE1000000123748	1/2 - 1 Mile SE
M378	DE1000000123746	1/2 - 1 Mile SE
M379	DE1000000123747	1/2 - 1 Mile SE
M380	DE1000000123754	1/2 - 1 Mile SE
M381	DE1000000123755	1/2 - 1 Mile SE
M382	DE1000000123753	1/2 - 1 Mile SE
M383	DE1000000123751	1/2 - 1 Mile SE
M384	DE1000000123752	1/2 - 1 Mile SE
N385	DE1000000105382	1/2 - 1 Mile ESE
N386	DE1000000105383	1/2 - 1 Mile ESE
N387	DE1000000105381	1/2 - 1 Mile ESE
N388	DE1000000105379	1/2 - 1 Mile ESE
N389	DE1000000105380	1/2 - 1 Mile ESE
N390	DE1000000105387	1/2 - 1 Mile ESE
N391	DE1000000105388	1/2 - 1 Mile ESE
N392	DE1000000105386	1/2 - 1 Mile ESE
N393	DE1000000105384	1/2 - 1 Mile ESE
N394	DE1000000105385	1/2 - 1 Mile ESE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
395	DE1000000133996	1/2 - 1 Mile East
M396	DE1000000123729	1/2 - 1 Mile ESE
M397	DE1000000123730	1/2 - 1 Mile ESE
M398	DE1000000123728	1/2 - 1 Mile ESE
M399	DE1000000123726	1/2 - 1 Mile ESE
M400	DE1000000123727	1/2 - 1 Mile ESE
M401	DE1000000123734	1/2 - 1 Mile ESE
M402	DE1000000123735	1/2 - 1 Mile ESE
M403	DE1000000123733	1/2 - 1 Mile ESE
M404	DE1000000123731	1/2 - 1 Mile ESE
M405	DE1000000123732	1/2 - 1 Mile ESE
L406	DE1000000105458	1/2 - 1 Mile ENE
M407	DE1000000123719	1/2 - 1 Mile SE
M408	DE1000000123720	1/2 - 1 Mile SE
M409	DE1000000123717	1/2 - 1 Mile SE
M410	DE1000000123718	1/2 - 1 Mile SE
M411	DE1000000123721	1/2 - 1 Mile SE
M412	DE1000000123724	1/2 - 1 Mile SE
M413	DE1000000123725	1/2 - 1 Mile SE
M414	DE1000000123722	1/2 - 1 Mile SE
M415	DE1000000123723	1/2 - 1 Mile SE
M416	DE1000000123757	1/2 - 1 Mile SE
M417	DE1000000123756	1/2 - 1 Mile SE
M418	DE1000000123759	1/2 - 1 Mile SE
M419	DE1000000123758	1/2 - 1 Mile SE
O420	DE1000000097375	1/2 - 1 Mile NW
P421	DE1000000123694	1/2 - 1 Mile SE
P422	DE1000000123695	1/2 - 1 Mile SE
P423	DE1000000123693	1/2 - 1 Mile SE
P424	DE1000000123691	1/2 - 1 Mile SE
P425	DE1000000123692	1/2 - 1 Mile SE
P426	DE1000000123699	1/2 - 1 Mile SE
P427	DE1000000123700	1/2 - 1 Mile SE
P428	DE1000000123698	1/2 - 1 Mile SE
P429	DE1000000123696	1/2 - 1 Mile SE
P430	DE1000000123697	1/2 - 1 Mile SE
Q431	DE1000000105460	1/2 - 1 Mile East
Q432	DE1000000105459	1/2 - 1 Mile East
Q433	DE1000000105461	1/2 - 1 Mile East
Q434	DE1000000105463	1/2 - 1 Mile East
Q435	DE1000000105462	1/2 - 1 Mile East
P436	DE1000000123711	1/2 - 1 Mile SE
P437	DE1000000123712	1/2 - 1 Mile SE
P438	DE1000000123709	1/2 - 1 Mile SE
P439	DE1000000123710	1/2 - 1 Mile SE
P440	DE1000000123715	1/2 - 1 Mile SE
P441	DE1000000123716	1/2 - 1 Mile SE
P442	DE1000000123713	1/2 - 1 Mile SE
P443	DE1000000123714	1/2 - 1 Mile SE
P444	DE1000000123684	1/2 - 1 Mile SE
P445	DE1000000123685	1/2 - 1 Mile SE
P446	DE1000000123683	1/2 - 1 Mile SE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
P447	DE1000000123681	1/2 - 1 Mile SE
P448	DE1000000123682	1/2 - 1 Mile SE
P449	DE1000000123689	1/2 - 1 Mile SE
P450	DE1000000123690	1/2 - 1 Mile SE
P451	DE1000000123688	1/2 - 1 Mile SE
P452	DE1000000123686	1/2 - 1 Mile SE
P453	DE1000000123687	1/2 - 1 Mile SE
454	DE1000000108534	1/2 - 1 Mile SE
R455	DE1000000123739	1/2 - 1 Mile ESE
R456	DE1000000123740	1/2 - 1 Mile ESE
R457	DE1000000123738	1/2 - 1 Mile ESE
R458	DE1000000123736	1/2 - 1 Mile ESE
R459	DE1000000123737	1/2 - 1 Mile ESE
R460	DE1000000123744	1/2 - 1 Mile ESE
R461	DE1000000123745	1/2 - 1 Mile ESE
R462	DE1000000123743	1/2 - 1 Mile ESE
R463	DE1000000123741	1/2 - 1 Mile ESE
R464	DE1000000123742	1/2 - 1 Mile ESE
O465	DE1000000105106	1/2 - 1 Mile NW
O466	DE1000000105105	1/2 - 1 Mile NW
O467	DE1000000105108	1/2 - 1 Mile NW
O468	DE1000000105107	1/2 - 1 Mile NW
S469	DE1000000099034	1/2 - 1 Mile SSW
S470	DE1000000099033	1/2 - 1 Mile SSW
S471	DE1000000099032	1/2 - 1 Mile SSW
S472	DE1000000111230	1/2 - 1 Mile SSW
S473	DE1000000103154	1/2 - 1 Mile SSW
S474	DE1000000099035	1/2 - 1 Mile SSW
S475	DE1000000099028	1/2 - 1 Mile SSW
S476	DE1000000099027	1/2 - 1 Mile SSW
S477	DE1000000099026	1/2 - 1 Mile SSW
S478	DE1000000099031	1/2 - 1 Mile SSW
S479	DE1000000099030	1/2 - 1 Mile SSW
S480	DE1000000099029	1/2 - 1 Mile SSW
S481	DE1000000113501	1/2 - 1 Mile SSW
S482	DE1000000113202	1/2 - 1 Mile SSW
S483	DE1000000113199	1/2 - 1 Mile SSW
S484	DE1000000113504	1/2 - 1 Mile SSW
S485	DE1000000113503	1/2 - 1 Mile SSW
S486	DE1000000113502	1/2 - 1 Mile SSW
S487	DE1000000112362	1/2 - 1 Mile SSW
S488	DE1000000111232	1/2 - 1 Mile SSW
S489	DE1000000111231	1/2 - 1 Mile SSW
S490	DE1000000113195	1/2 - 1 Mile SSW
S491	DE1000000112364	1/2 - 1 Mile SSW
S492	DE1000000112363	1/2 - 1 Mile SSW
P493	DE1000000123703	1/2 - 1 Mile SE
P494	DE1000000123704	1/2 - 1 Mile SE
P495	DE1000000123701	1/2 - 1 Mile SE
P496	DE1000000123702	1/2 - 1 Mile SE
P497	DE1000000123707	1/2 - 1 Mile SE
P498	DE1000000123708	1/2 - 1 Mile SE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
P499	DE1000000123705	1/2 - 1 Mile SE
P500	DE1000000123706	1/2 - 1 Mile SE
T501	DE1000000121617	1/2 - 1 Mile NNW
T502	DE1000000121624	1/2 - 1 Mile NNW
P503	DE1000000123675	1/2 - 1 Mile SE
P504	DE1000000123676	1/2 - 1 Mile SE
P505	DE1000000123673	1/2 - 1 Mile SE
P506	DE1000000123674	1/2 - 1 Mile SE
P507	DE1000000123679	1/2 - 1 Mile SE
P508	DE1000000123680	1/2 - 1 Mile SE
P509	DE1000000123677	1/2 - 1 Mile SE
P510	DE1000000123678	1/2 - 1 Mile SE
P511	DE1000000132002	1/2 - 1 Mile SE
P512	DE1000000132001	1/2 - 1 Mile SE
P513	DE1000000132004	1/2 - 1 Mile SE
P514	DE1000000132003	1/2 - 1 Mile SE
U515	DE1000000105455	1/2 - 1 Mile ENE
U516	DE1000000105456	1/2 - 1 Mile ENE
U517	DE1000000105457	1/2 - 1 Mile ENE
V518	DE1000000108949	1/2 - 1 Mile North
V519	DE1000000108939	1/2 - 1 Mile North
V520	DE1000000108950	1/2 - 1 Mile North
V521	DE1000000108952	1/2 - 1 Mile North
V522	DE1000000108951	1/2 - 1 Mile North
W523	DE1000000118022	1/2 - 1 Mile NW
X524	DE1000000105435	1/2 - 1 Mile East
X525	DE1000000105436	1/2 - 1 Mile East
X526	DE1000000105434	1/2 - 1 Mile East
X527	DE1000000105432	1/2 - 1 Mile East
X528	DE1000000105433	1/2 - 1 Mile East
X529	DE1000000105440	1/2 - 1 Mile East
X530	DE1000000105441	1/2 - 1 Mile East
X531	DE1000000105439	1/2 - 1 Mile East
X532	DE1000000105437	1/2 - 1 Mile East
X533	DE1000000105438	1/2 - 1 Mile East
Y534	DE1000000133453	1/2 - 1 Mile NW
W535	DE1000000097868	1/2 - 1 Mile NW
W536	DE1000000097869	1/2 - 1 Mile NW
W537	DE1000000097870	1/2 - 1 Mile NW
Z538	DE1000000121625	1/2 - 1 Mile NNW
Z539	DE1000000121618	1/2 - 1 Mile NNW
Z540	DE1000000121627	1/2 - 1 Mile NNW
Z541	DE1000000121626	1/2 - 1 Mile NNW
Y542	DE1000000121619	1/2 - 1 Mile NW
V543	DE1000000108948	1/2 - 1 Mile NNW
AA544	DE1000000133499	1/2 - 1 Mile NNE
AA545	DE1000000107553	1/2 - 1 Mile NNE
AA546	DE1000000133500	1/2 - 1 Mile NNE
AB547	DE1000000105306	1/2 - 1 Mile ESE
AB548	DE1000000105307	1/2 - 1 Mile ESE
AA549	DE1000000107557	1/2 - 1 Mile NE
AC550	DE1000000121616	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AA551	DE1000000133497	1/2 - 1 Mile NNE
AA552	DE1000000133501	1/2 - 1 Mile NNE
553	DE1000000013978	1/2 - 1 Mile ESE
AD554	DE1000000098503	1/2 - 1 Mile WSW
AD555	DE1000000098504	1/2 - 1 Mile WSW
AD556	DE1000000098505	1/2 - 1 Mile WSW
AD557	DE1000000098490	1/2 - 1 Mile WSW
AD558	DE1000000098501	1/2 - 1 Mile WSW
AD559	DE1000000098502	1/2 - 1 Mile WSW
AD560	DE1000000098506	1/2 - 1 Mile WSW
AD561	DE1000000098510	1/2 - 1 Mile WSW
AD562	DE1000000098511	1/2 - 1 Mile WSW
AD563	DE1000000098512	1/2 - 1 Mile WSW
AD564	DE1000000098507	1/2 - 1 Mile WSW
AD565	DE1000000098508	1/2 - 1 Mile WSW
AD566	DE1000000098509	1/2 - 1 Mile WSW
AA567	DE1000000133498	1/2 - 1 Mile NNE
AB568	DE1000000105299	1/2 - 1 Mile ESE
AB569	DE1000000105300	1/2 - 1 Mile ESE
AB570	DE1000000105298	1/2 - 1 Mile ESE
AB571	DE1000000105296	1/2 - 1 Mile ESE
AB572	DE1000000105297	1/2 - 1 Mile ESE
AB573	DE1000000105304	1/2 - 1 Mile ESE
AB574	DE1000000105305	1/2 - 1 Mile ESE
AB575	DE1000000105303	1/2 - 1 Mile ESE
AB576	DE1000000105301	1/2 - 1 Mile ESE
AB577	DE1000000105302	1/2 - 1 Mile ESE
AE578	DE1000000119386	1/2 - 1 Mile WSW
AE579	DE1000000119385	1/2 - 1 Mile WSW
AE580	DE1000000119388	1/2 - 1 Mile WSW
AE581	DE1000000119387	1/2 - 1 Mile WSW
Z582	DE1000000118023	1/2 - 1 Mile NNW
AF583	DE1000000122441	1/2 - 1 Mile SW
AG584	DE1000000121615	1/2 - 1 Mile NW
AA585	DE1000000133496	1/2 - 1 Mile NNE
586	DE1000000120015	1/2 - 1 Mile East
AH587	DE1000000122899	1/2 - 1 Mile NNW
AH588	DE1000000122975	1/2 - 1 Mile NNW
589	DE1000000108531	1/2 - 1 Mile SE
AI590	DE1000000107583	1/2 - 1 Mile SW
AI591	DE1000000107584	1/2 - 1 Mile SW
AI592	DE1000000107582	1/2 - 1 Mile SW
AI593	DE1000000107559	1/2 - 1 Mile SW
AI594	DE1000000107560	1/2 - 1 Mile SW
AI595	DE1000000107588	1/2 - 1 Mile SW
AI596	DE1000000107589	1/2 - 1 Mile SW
AI597	DE1000000107587	1/2 - 1 Mile SW
AI598	DE1000000107585	1/2 - 1 Mile SW
AI599	DE1000000107586	1/2 - 1 Mile SW
AG600	DE1000000122898	1/2 - 1 Mile NW
AG601	DE1000000122977	1/2 - 1 Mile NW
AC602	DE1000000120619	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AJ603	DE1000000103825	1/2 - 1 Mile SW
AI604	DE1000000097936	1/2 - 1 Mile SW
AI605	DE1000000097937	1/2 - 1 Mile SW
AI606	DE1000000097938	1/2 - 1 Mile SW
AK608	DE1000000119618	1/2 - 1 Mile NNW
AK609	DE1000000119619	1/2 - 1 Mile NNW
AK610	DE1000000119620	1/2 - 1 Mile NNW
AJ611	DE1000000122442	1/2 - 1 Mile SW
AJ612	DE1000000103894	1/2 - 1 Mile SW
AJ613	DE1000000103895	1/2 - 1 Mile SW
AL614	DE1000000104063	1/2 - 1 Mile NW
AL615	DE1000000104064	1/2 - 1 Mile NW
AL616	DE1000000105767	1/2 - 1 Mile NW
AL617	DE1000000105768	1/2 - 1 Mile NW
AL618	DE1000000106753	1/2 - 1 Mile NW
AL619	DE1000000106754	1/2 - 1 Mile NW
AL620	DE1000000106755	1/2 - 1 Mile NW
621	DE1000000125169	1/2 - 1 Mile North
AN624	DE1000000103444	1/2 - 1 Mile WNW
AN625	DE1000000103443	1/2 - 1 Mile WNW
AN626	DE1000000112859	1/2 - 1 Mile WNW
AN627	DE1000000103445	1/2 - 1 Mile WNW
AN628	DE1000000103442	1/2 - 1 Mile WNW
AN629	DE1000000103439	1/2 - 1 Mile WNW
AN630	DE1000000012963	1/2 - 1 Mile WNW
AN631	DE1000000103441	1/2 - 1 Mile WNW
AN632	DE1000000103440	1/2 - 1 Mile WNW
AN633	DE1000000112860	1/2 - 1 Mile WNW
AN634	DE1000000112868	1/2 - 1 Mile WNW
AN635	DE1000000112867	1/2 - 1 Mile WNW
AN636	DE1000000113197	1/2 - 1 Mile WNW
AN637	DE1000000113196	1/2 - 1 Mile WNW
AN638	DE1000000112866	1/2 - 1 Mile WNW
AN639	DE1000000112862	1/2 - 1 Mile WNW
AN640	DE1000000112861	1/2 - 1 Mile WNW
AN641	DE1000000112865	1/2 - 1 Mile WNW
AN642	DE1000000112863	1/2 - 1 Mile WNW
643	DE1000000124442	1/2 - 1 Mile ENE
AO644	DE1000000108927	1/2 - 1 Mile West
AO645	DE1000000108928	1/2 - 1 Mile West
AP646	DE1000000107592	1/2 - 1 Mile WNW
AP647	DE1000000107591	1/2 - 1 Mile WNW
AP648	DE1000000107590	1/2 - 1 Mile WNW
AP649	DE1000000107595	1/2 - 1 Mile WNW
AP650	DE1000000107594	1/2 - 1 Mile WNW
AP651	DE1000000107593	1/2 - 1 Mile WNW
AQ652	DE1000000096497	1/2 - 1 Mile WSW
AQ653	DE1000000096297	1/2 - 1 Mile WSW
AQ654	DE1000000096496	1/2 - 1 Mile WSW
AQ655	DE1000000096491	1/2 - 1 Mile WSW
AQ656	DE1000000096490	1/2 - 1 Mile WSW
657	DE1000000132632	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AM658	DE1000000096493	1/2 - 1 Mile SW
AM659	DE1000000096492	1/2 - 1 Mile SW
AQ660	DE1000000096494	1/2 - 1 Mile WSW
AQ661	DE1000000096495	1/2 - 1 Mile WSW
AO662	DE1000000134134	1/2 - 1 Mile West
AM663	DE1000000096475	1/2 - 1 Mile SW
AM664	DE1000000096477	1/2 - 1 Mile SW
AM665	DE1000000096476	1/2 - 1 Mile SW
AR666	DE1000000107801	1/2 - 1 Mile North
AR667	DE1000000107802	1/2 - 1 Mile North
AM668	DE1000000096483	1/2 - 1 Mile SW
AM669	DE1000000096485	1/2 - 1 Mile SW
AS670	DE1000000118021	1/2 - 1 Mile NW
AM671	DE1000000096484	1/2 - 1 Mile SW
AQ672	DE1000000103602	1/2 - 1 Mile WSW
AT673	DE1000000097569	1/2 - 1 Mile SW
AM674	DE1000000096482	1/2 - 1 Mile SW
AM675	DE1000000096489	1/2 - 1 Mile SW
AM676	DE1000000096478	1/2 - 1 Mile SW
AT677	DE1000000106339	1/2 - 1 Mile SSW
AT678	DE1000000106340	1/2 - 1 Mile SSW
AT679	DE1000000106341	1/2 - 1 Mile SSW
AM680	DE1000000096480	1/2 - 1 Mile SW
AM681	DE1000000096488	1/2 - 1 Mile SW
AM682	DE1000000096479	1/2 - 1 Mile SW
AM683	DE1000000096481	1/2 - 1 Mile SW
AT684	DE1000000108918	1/2 - 1 Mile SW
AT685	DE1000000108919	1/2 - 1 Mile SW
AT686	DE1000000108920	1/2 - 1 Mile SW
AM687	DE1000000096487	1/2 - 1 Mile SW
AM688	DE1000000096486	1/2 - 1 Mile SW
AQ689	DE1000000096472	1/2 - 1 Mile WSW
AQ690	DE1000000096473	1/2 - 1 Mile WSW
AM691	DE1000000096299	1/2 - 1 Mile SW
AQ692	DE1000000096474	1/2 - 1 Mile WSW
AO694	DE1000000134133	1/2 - 1 Mile West
695	DE1000000133789	1/2 - 1 Mile SSW
AS696	DE1000000122900	1/2 - 1 Mile NW
AS697	DE1000000122976	1/2 - 1 Mile NW
AM699	DE1000000021366	1/2 - 1 Mile SW
AW700	DE1000000123850	1/2 - 1 Mile WNW
AW701	DE1000000123851	1/2 - 1 Mile WNW
AW702	DE1000000123852	1/2 - 1 Mile WNW
AT703	DE1000000133136	1/2 - 1 Mile SSW
AW704	DE1000000104066	1/2 - 1 Mile NW
AW705	DE1000000104065	1/2 - 1 Mile NW
AW706	DE1000000104068	1/2 - 1 Mile NW
AW707	DE1000000104067	1/2 - 1 Mile NW
AX708	DE1000000122173	1/2 - 1 Mile NNW
AX709	DE1000000122191	1/2 - 1 Mile NNW
AX710	DE1000000122192	1/2 - 1 Mile NNW
AY711	DE1000000108925	1/2 - 1 Mile West

STATE DATABASE WELL INFORMATION

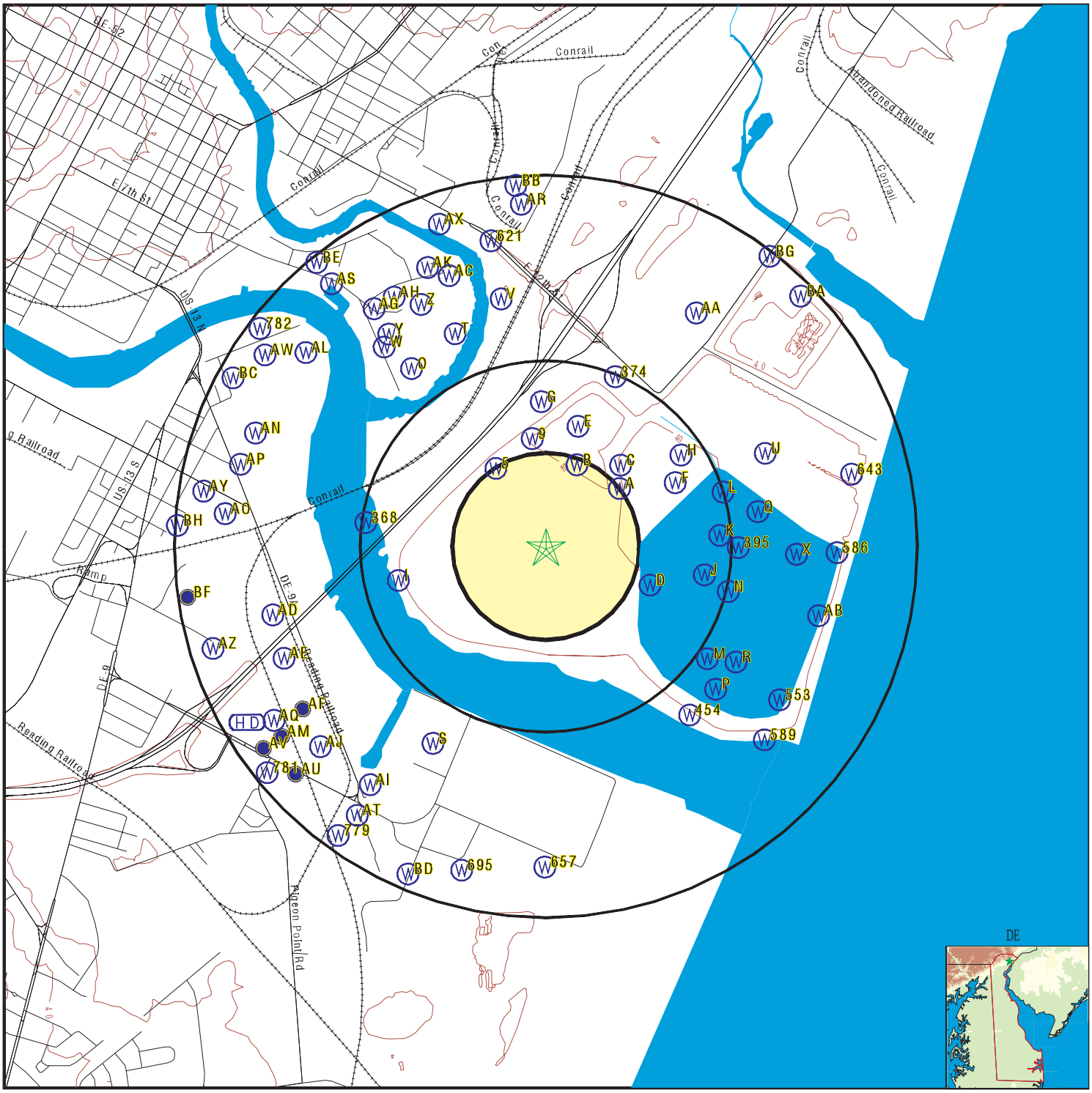
MAP ID	WELL ID	LOCATION FROM TP
AY712	DE1000000108926	1/2 - 1 Mile West
AZ713	DE1000000133704	1/2 - 1 Mile WSW
AU714	DE1000000122768	1/2 - 1 Mile SW
AV715	DE1000000096298	1/2 - 1 Mile SW
AR716	DE1000000097181	1/2 - 1 Mile North
AR717	DE1000000097182	1/2 - 1 Mile North
AR718	DE1000000097180	1/2 - 1 Mile North
AR719	DE1000000097178	1/2 - 1 Mile North
AR720	DE1000000097179	1/2 - 1 Mile North
AR721	DE1000000097186	1/2 - 1 Mile North
AR722	DE1000000097187	1/2 - 1 Mile North
AR723	DE1000000097185	1/2 - 1 Mile North
AR724	DE1000000097183	1/2 - 1 Mile North
AR725	DE1000000097184	1/2 - 1 Mile North
AZ726	DE1000000100071	1/2 - 1 Mile WSW
AZ727	DE1000000100120	1/2 - 1 Mile WSW
AZ728	DE1000000100069	1/2 - 1 Mile WSW
AZ729	DE1000000100070	1/2 - 1 Mile WSW
AZ730	DE1000000102537	1/2 - 1 Mile WSW
AZ731	DE1000000102538	1/2 - 1 Mile WSW
AZ732	DE1000000102532	1/2 - 1 Mile WSW
AZ733	DE1000000102534	1/2 - 1 Mile WSW
AZ734	DE1000000099877	1/2 - 1 Mile WSW
AZ735	DE1000000099871	1/2 - 1 Mile WSW
AZ736	DE1000000099872	1/2 - 1 Mile WSW
AZ737	DE1000000099869	1/2 - 1 Mile WSW
AZ738	DE1000000099870	1/2 - 1 Mile WSW
AZ739	DE1000000099875	1/2 - 1 Mile WSW
AZ740	DE1000000099876	1/2 - 1 Mile WSW
AZ741	DE1000000099873	1/2 - 1 Mile WSW
AZ742	DE1000000099874	1/2 - 1 Mile WSW
AZ743	DE1000000102539	1/2 - 1 Mile WSW
AZ744	DE1000000113194	1/2 - 1 Mile WSW
AZ745	DE1000000113198	1/2 - 1 Mile WSW
AZ746	DE1000000111229	1/2 - 1 Mile WSW
AZ747	DE1000000113193	1/2 - 1 Mile WSW
AZ748	DE1000000113203	1/2 - 1 Mile WSW
AZ749	DE1000000113353	1/2 - 1 Mile WSW
AZ750	DE1000000113200	1/2 - 1 Mile WSW
AZ751	DE1000000113201	1/2 - 1 Mile WSW
AZ752	DE1000000111228	1/2 - 1 Mile WSW
AZ753	DE1000000110690	1/2 - 1 Mile WSW
AZ754	DE1000000110691	1/2 - 1 Mile WSW
AZ755	DE1000000102540	1/2 - 1 Mile WSW
AZ756	DE1000000110689	1/2 - 1 Mile WSW
AZ757	DE1000000110694	1/2 - 1 Mile WSW
AZ758	DE1000000111227	1/2 - 1 Mile WSW
AZ759	DE1000000110692	1/2 - 1 Mile WSW
AZ760	DE1000000110693	1/2 - 1 Mile WSW
AS761	DE1000000121614	1/2 - 1 Mile NW
AS762	DE1000000121620	1/2 - 1 Mile NW
AV763	DE1000000106732	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AV764	DE1000000106733	1/2 - 1 Mile SW
AV765	DE1000000106734	1/2 - 1 Mile SW
AV766	DE1000000096785	1/2 - 1 Mile SW
AW767	DE1000000133297	1/2 - 1 Mile WNW
BA768	DE1000000119235	1/2 - 1 Mile NE
BA769	DE1000000119234	1/2 - 1 Mile NE
BA770	DE1000000119236	1/2 - 1 Mile NE
BA771	DE1000000119238	1/2 - 1 Mile NE
BA772	DE1000000119237	1/2 - 1 Mile NE
BB773	DE1000000106967	1/2 - 1 Mile North
BB774	DE1000000106968	1/2 - 1 Mile North
BC775	DE1000000107484	1/2 - 1 Mile WNW
BC776	DE1000000107485	1/2 - 1 Mile WNW
BD777	DE1000000027097	1/2 - 1 Mile SSW
BD778	DE1000000027098	1/2 - 1 Mile SSW
AY780	DE1000000117883	1/2 - 1 Mile West
781	DE1000000119956	1/2 - 1 Mile SW
782	DE1000000120271	1/2 - 1 Mile NW
BE783	DE1000000133452	1/2 - 1 Mile NW
BF784	DE1000000102535	1/2 - 1 Mile West
BF785	DE1000000102533	1/2 - 1 Mile West
BF786	DE1000000118343	1/2 - 1 Mile West
BF787	DE1000000102536	1/2 - 1 Mile West
BB788	DE1000000133698	1/2 - 1 Mile North
BB789	DE1000000106960	1/2 - 1 Mile North
BB790	DE1000000106961	1/2 - 1 Mile North
BB791	DE1000000106959	1/2 - 1 Mile North
BB792	DE1000000106957	1/2 - 1 Mile North
BB793	DE1000000106958	1/2 - 1 Mile North
BB794	DE1000000106965	1/2 - 1 Mile North
BB795	DE1000000106966	1/2 - 1 Mile North
BB796	DE1000000106964	1/2 - 1 Mile North
BB797	DE1000000106962	1/2 - 1 Mile North
BB798	DE1000000106963	1/2 - 1 Mile North
BE799	DE1000000118131	1/2 - 1 Mile NW
BE800	DE1000000118132	1/2 - 1 Mile NW
BE801	DE1000000133451	1/2 - 1 Mile NW
BG803	DE1000000120269	1/2 - 1 Mile NE
BG804	DE1000000120270	1/2 - 1 Mile NE
BH805	DE1000000106705	1/2 - 1 Mile West
BH806	DE1000000106706	1/2 - 1 Mile West
BH807	DE1000000106707	1/2 - 1 Mile West
BA808	DE1000000108054	1/2 - 1 Mile NE
BE809	DE1000000097864	1/2 - 1 Mile NW
BH810	DE1000000108695	1/2 - 1 Mile West
BH811	DE1000000108696	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 4674928.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data

N

SITE NAME:	Wilmington Harbor North	CLIENT:	U.S. Army Corps of Engineers
ADDRESS:	12st and Hay Rd Wilmington DE 19801	CONTACT:	William Harris
LAT/LONG:	39.726683 / 75.523033	INQUIRY #:	4674928.2s
		DATE:	July 15, 2016 1:17 pm

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NE
1/8 - 1/4 Mile
Higher | **DE WELLS** | **DE1000000120013**

Objectid:	120013		
Permitnumb:	178583		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	157
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	P-113	Apprecdate:	20010510000000.000
Locreviewd:	20010510000000.000	Proposedco:	20010510000000.000
Permitappr:	20010510000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	68046		
X:	191187	Y:	191903
Latitude:	39.728618		
Longitude:	-75.519466		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000120013

B2
NNE **DE WELLS** **DE1000000105369**
1/8 - 1/4 Mile
Higher

Objectid:	105369		
Permitnumb:	217430		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	3842643
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	156	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322554		
X:	191016	Y:	192042
Latitude:	39.729868		
Longitude:	-75.521458		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105369

B3
NNE **DE WELLS** **DE1000000105370**
1/8 - 1/4 Mile
Higher

Objectid:	105370		
Permitnumb:	217431		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	3842643
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	156	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322555		
X:	191016	Y:	192042
Latitude:	39.729868		
Longitude:	-75.521458		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105370

B4
NNE **DE WELLS** **DE1000000105371**
1/8 - 1/4 Mile
Higher

Objectid:	105371		
Permitnumb:	217432		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	3842643
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	156	Totaldep00:	74
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	20130130000000.000	Abandonrep:	20130123000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322556		
X:	191016	Y:	192042
Latitude:	39.729868		
Longitude:	-75.521458		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	1042		
Wellcontra:	Hillis-Carnes Engineering Associates Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105371

5
NNW **DE WELLS** **DE1000000133464**
1/8 - 1/4 Mile
Lower

Objectid:	133464		
Permitnumb:	231011		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-052.00-010
Septicperm:	n/a	Wellauthco:	4801362
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	74	Totaldep00:	74
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100409000000.000
Locreviewd:	20100412000000.000	Proposedco:	20100421000000.000
Permitappr:	20100421000000.000	Actualcons:	Not Reported
Completion:	20100521000000.000	Abandonrep:	20100521000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	828686		
X:	190665	Y:	192027
Latitude:	39.729729		
Longitude:	-75.525552		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	DSWA C/O Army Corps Of Engineers		
Owneraddre:	100 Penn Square, Philadelphia, PA 19107 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133464

A6
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105376**

Objectid:	105376		
Permitnumb:	217437		
Localwelli:	P 105 A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4169443
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	175	Totaldep00:	184
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	20130130000000.000	Abandonrep:	20130123000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322541		
X:	191205	Y:	191951
Latitude:	39.72905		
Longitude:	-75.519252		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	1042		
Wellcontra:	Hillis-Carnes Engineering Associates Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105376

A7
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105377**

Objectid:	105377		
Permitnumb:	217438		
Localwelli:	P 201	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4169443
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	175	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322542		
X:	191205	Y:	191951
Latitude:	39.72905		
Longitude:	-75.519252		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105377

A8
NE **DE WELLS** **DE1000000105378**
1/4 - 1/2 Mile
Higher

Objectid:	105378		
Permitnumb:	217439		
Localwelli:	P 202	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4169443
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	175	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322543		
X:	191205	Y:	191951
Latitude:	39.72905		
Longitude:	-75.519252		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105378

9
North
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000120014**

Objectid:	120014		
Permitnumb:	178584		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	84
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	P-116	Apprecdate:	20010510000000.000
Locreviewd:	20010510000000.000	Proposedco:	20010510000000.000
Permitappr:	20010510000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	68047		
X:	190823	Y:	192156
Latitude:	39.730893		
Longitude:	-75.523715		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000120014

C10
NE **DE WELLS** **DE1000000105373**
1/4 - 1/2 Mile
Higher

Objectid:	105373		
Permitnumb:	217434		
Localwelli:	P 101 B	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	3039816
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	183	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322546		
X:	191205	Y:	192040
Latitude:	39.729852		
Longitude:	-75.519253		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105373

C11
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105374**

Objectid:	105374		
Permitnumb:	217435		
Localwelli:	P 102 B	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	3039816
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	183	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322547		
X:	191205	Y:	192040
Latitude:	39.729852		
Longitude:	-75.519253		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105374

C12
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105375**

Objectid:	105375		
Permitnumb:	217436		
Localwelli:	P108 A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	3039816
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	183	Totaldep00:	76
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	20130130000000.000	Abandonrep:	20130122000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322548		
X:	191205	Y:	192040
Latitude:	39.729852		
Longitude:	-75.519253		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	1042		
Wellcontra:	Hillis-Carnes Engineering Associates Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105375

D13
ESE **DE WELLS** **DE1000000105430**
1/4 - 1/2 Mile
Higher

Objectid:	105430		
Permitnumb:	217690		
Localwelli:	TTA-2 MW5S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4628061
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323326		
X:	191332	Y:	191520
Latitude:	39.72517		
Longitude:	-75.517765		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105430

D14
ESE **DE WELLS** **DE1000000105431**
1/4 - 1/2 Mile
Higher

Objectid:	105431		
Permitnumb:	217691		
Localwelli:	TTA-2 MW6S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4628061
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323327		
X:	191332	Y:	191520
Latitude:	39.72517		
Longitude:	-75.517765		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105431

E15
NNE **DE WELLS** **DE1000000105372**
1/4 - 1/2 Mile
Higher

Objectid:	105372		
Permitnumb:	217433		
Localwelli:	LC105-A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4257414
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	72	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322551		
X:	190995	Y:	192191
Latitude:	39.73121		
Longitude:	-75.521705		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105372

E16
NNE **DE WELLS** **DE1000000105367**
1/4 - 1/2 Mile
Higher

Objectid:	105367		
Permitnumb:	217428		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	5135236
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	45	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322559		
X:	191084	Y:	192172
Latitude:	39.73104		
Longitude:	-75.520666		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105367

E17
NNE **DE WELLS** **DE1000000105368**
1/4 - 1/2 Mile
Higher

Objectid:	105368		
Permitnumb:	217429		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	5135236
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	45	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061208000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322560		
X:	191084	Y:	192172
Latitude:	39.73104		
Longitude:	-75.520666		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105368

E18
NNE **DE WELLS** **DE1000000105423**
1/4 - 1/2 Mile
Higher

Objectid:	105423		
Permitnumb:	217683		
Localwelli:	TTA-2-MW3D	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070110000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323333		
X:	191011	Y:	192218
Latitude:	39.731453		
Longitude:	-75.521518		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105423

E19
NNE **DE WELLS** **DE1000000105424**
1/4 - 1/2 Mile
Higher

Objectid:	105424		
Permitnumb:	217684		
Localwelli:	TTA-1-MW4D	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070110000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323334		
X:	191011	Y:	192218
Latitude:	39.731453		
Longitude:	-75.521518		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105424

E20
NNE **DE WELLS** **DE1000000105422**
1/4 - 1/2 Mile
Higher

Objectid:	105422		
Permitnumb:	217682		
Localwelli:	TTA-2-MWD	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070110000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323332		
X:	191011	Y:	192218
Latitude:	39.731453		
Longitude:	-75.521518		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105422

E21
NNE **DE WELLS** **DE1000000105420**
1/4 - 1/2 Mile
Higher

Objectid:	105420		
Permitnumb:	217680		
Localwelli:	TTA- 1-MW3D	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070110000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323330		
X:	191011	Y:	192218
Latitude:	39.731453		
Longitude:	-75.521518		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105420

E22
NNE **DE WELLS** **DE1000000105421**
1/4 - 1/2 Mile
Higher

Objectid:	105421		
Permitnumb:	217681		
Localwelli:	TTA- 2-MW1D	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070110000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323331		
X:	191011	Y:	192218
Latitude:	39.731453		
Longitude:	-75.521518		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105421

E23
NNE **DE WELLS** **DE1000000105428**
1/4 - 1/2 Mile
Higher

Objectid:	105428		
Permitnumb:	217688		
Localwelli:	TTA-2-MW5D	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070110000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323338		
X:	191011	Y:	192218
Latitude:	39.731453		
Longitude:	-75.521518		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105428

E24
NNE **DE WELLS** **DE1000000105429**
1/4 - 1/2 Mile
Higher

Objectid:	105429		
Permitnumb:	217689		
Localwelli:	TTA-2-MW6D	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070110000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323339		
X:	191011	Y:	192218
Latitude:	39.731453		
Longitude:	-75.521518		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105429

E25
NNE **DE WELLS** **DE1000000105427**
1/4 - 1/2 Mile
Higher

Objectid:	105427		
Permitnumb:	217687		
Localwelli:	TTA-2-MW4D	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070110000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323337		
X:	191011	Y:	192218
Latitude:	39.731453		
Longitude:	-75.521518		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105427

E26
NNE **DE WELLS** **DE1000000105425**
1/4 - 1/2 Mile
Higher

Objectid:	105425		
Permitnumb:	217685		
Localwelli:	TTA-1-MW5D	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070110000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323335		
X:	191011	Y:	192218
Latitude:	39.731453		
Longitude:	-75.521518		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105425

E27
NNE **DE WELLS** **DE1000000105426**
1/4 - 1/2 Mile
Higher

Objectid:	105426		
Permitnumb:	217686		
Localwelli:	TTA-1-MW6D	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070110000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323336		
X:	191011	Y:	192218
Latitude:	39.731453		
Longitude:	-75.521518		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105426

F28
ENE **DE WELLS** **DE1000000105418**
1/4 - 1/2 Mile
Higher

Objectid:	105418		
Permitnumb:	217678		
Localwelli:	TTA-1-MW1D	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4146473
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	140
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323342		
X:	191442	Y:	191964
Latitude:	39.72917		
Longitude:	-75.516488		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105418

F29
ENE **DE WELLS** **DE1000000105419**
1/4 - 1/2 Mile
Higher

Objectid:	105419		
Permitnumb:	217679		
Localwelli:	TTA-1-MW2D	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4146473
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	140
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323343		
X:	191442	Y:	191964
Latitude:	39.72917		
Longitude:	-75.516488		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105419

G30 **DE WELLS** **DE1000000118976**
North
1/4 - 1/2 Mile
Lower

Objectid:	118976		
Permitnumb:	169322		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	12	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW-1	Apprecdate:	19991203000000.000
Locreviewd:	19991203000000.000	Proposedco:	19991203000000.000
Permitappr:	19991203000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	62933		
X:	190862	Y:	192316
Latitude:	39.732334		
Longitude:	-75.523262		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Connectiv		
Owneraddre:	391 Lukens Drive, C/O DNREC Sirb, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000118976

G31
North
1/4 - 1/2 Mile
Lower

DE WELLS **DE1000000118977**

Objectid:	118977		
Permitnumb:	169323		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	12	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW-2	Apprecdate:	19991203000000.000
Locreviewd:	19991203000000.000	Proposedco:	19991203000000.000
Permitappr:	19991203000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	62934		
X:	190862	Y:	192316
Latitude:	39.732334		
Longitude:	-75.523262		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Connectiv		
Owneraddre:	391 Lukens Drive, C/O DNREC Sirb, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000118977

H32
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000132006**

Objectid:	132006		
Permitnumb:	218109		
Localwelli:	TTA-!DB	Welltype:	Remediation I - Injection
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070111000000.000
Locreviewd:	20070208000000.000	Proposedco:	20070208000000.000
Permitappr:	20070208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	Yes	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	324451		
X:	191363	Y:	192102
Latitude:	39.730412		
Longitude:	-75.517411		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000132006

H33
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000132005**

Objectid:	132005		
Permitnumb:	218108		
Localwelli:	TTA-1DA	Welltype:	Remediation I - Injection
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070111000000.000
Locreviewd:	20070208000000.000	Proposedco:	20070208000000.000
Permitappr:	20070208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	Yes	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	324450		
X:	191363	Y:	192102
Latitude:	39.730412		
Longitude:	-75.517411		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000132005

H34
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000132008**

Objectid:	132008		
Permitnumb:	218111		
Localwelli:	TTA-2B	Welltype:	Remediation I - Injection
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070111000000.000
Locreviewd:	20070208000000.000	Proposedco:	20070208000000.000
Permitappr:	20070208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	Yes	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	324453		
X:	191363	Y:	192102
Latitude:	39.730412		
Longitude:	-75.517411		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000132008

H35
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000132007**

Objectid:	132007		
Permitnumb:	218110		
Localwelli:	TTA-2A	Welltype:	Remediation I - Injection
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070111000000.000
Locreviewd:	20070208000000.000	Proposedco:	20070208000000.000
Permitappr:	20070208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	Yes	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	324452		
X:	191363	Y:	192102
Latitude:	39.730412		
Longitude:	-75.517411		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000132007

I36
WSW **DE WELLS** **DE1000000120010**
1/4 - 1/2 Mile
Lower

Objectid:	120010		
Permitnumb:	178580		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	76
Welltermun:	0	Welltermin:	None
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	LC 104A	Apprecdate:	20010510000000.000
Locreviewd:	20010510000000.000	Proposedco:	20010510000000.000
Permitappr:	20010510000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	68043		
X:	190247	Y:	191544
Latitude:	39.725374		
Longitude:	-75.530425		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000120010

I37
WSW **DE WELLS** **DE1000000120011**
1/4 - 1/2 Mile
Lower

Objectid:	120011		
Permitnumb:	178581		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	171
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	P-104A	Apprecdate:	20010510000000.000
Locreviewd:	20010510000000.000	Proposedco:	20010510000000.000
Permitappr:	20010510000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	68044		
X:	190236	Y:	191539
Latitude:	39.725329		
Longitude:	-75.530553		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000120011

J38
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105391**

Objectid:	105391		
Permitnumb:	217460		
Localwelli:	P3-G23A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322585		
X:	191568	Y:	191564
Latitude:	39.725569		
Longitude:	-75.515013		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105391

J39
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105390**

Objectid:	105390		
Permitnumb:	217459		
Localwelli:	P3-G22A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322584		
X:	191568	Y:	191564
Latitude:	39.725569		
Longitude:	-75.515013		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105390

J40
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105389**

Objectid:	105389		
Permitnumb:	217458		
Localwelli:	P3-G21A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322583		
X:	191568	Y:	191564
Latitude:	39.725569		
Longitude:	-75.515013		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105389

J41
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105394**

Objectid:	105394		
Permitnumb:	217463		
Localwelli:	P3-G26A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322588		
X:	191568	Y:	191564
Latitude:	39.725569		
Longitude:	-75.515013		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105394

J42
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105393**

Objectid:	105393		
Permitnumb:	217462		
Localwelli:	P3-G25A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322587		
X:	191568	Y:	191564
Latitude:	39.725569		
Longitude:	-75.515013		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105393

J43
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105392**

Objectid:	105392		
Permitnumb:	217461		
Localwelli:	P3-G24A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322586		
X:	191568	Y:	191564
Latitude:	39.725569		
Longitude:	-75.515013		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105392

K44
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105479**

Objectid:	105479		
Permitnumb:	217895		
Localwelli:	GP-21	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4698392
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323779		
X:	191576	Y:	191808
Latitude:	39.727766		
Longitude:	-75.514923		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105479

K45
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105480**

Objectid:	105480		
Permitnumb:	217896		
Localwelli:	GP-22	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4698392
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323780		
X:	191576	Y:	191808
Latitude:	39.727766		
Longitude:	-75.514923		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105480

H46
ENE **DE WELLS** **DE1000000110215**
1/4 - 1/2 Mile
Higher

Objectid:	110215		
Permitnumb:	55721		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19831201000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19831201000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	17.3999996185303	Screenbase:	18.3999996185303
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	116384		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	15.3999996185303
Groutmater:	Cuttings	Graveltop:	16.3999996185303
Gravelbase:	19.3999996185303	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	17.3999996185303
Innercas01:	PVC	Site id:	DE1000000110215

H47
ENE **DE WELLS** **DE1000000110216**
1/4 - 1/2 Mile
Higher

Objectid:	110216		
Permitnumb:	55722		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19831202000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	16
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19831202000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	13	Screenbase:	14
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	116385		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	11
Groutmater:	Cuttings	Graveltop:	12
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	13
Innercas01:	PVC	Site id:	DE1000000110216

H48
ENE **DE WELLS** **DE1000000110217**
1/4 - 1/2 Mile
Higher

Objectid:	110217		
Permitnumb:	55723		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19831221000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	21.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19831221000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	16.5	Screenbase:	17.5
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	116162		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	14.5
Groutmater:	Cuttings	Graveltop:	15.5
Gravelbase:	18.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	16.5
Innercas01:	PVC	Site id:	DE1000000110217

H49
ENE **DE WELLS** **DE1000000110214**
1/4 - 1/2 Mile
Higher

Objectid:	110214		
Permitnumb:	55720		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19831209000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	54
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19831209000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	52	Screenbase:	53
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	119353		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	48
Groutmater:	Cuttings	Graveltop:	51
Gravelbase:	54	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	52
Innercas01:	PVC	Site id:	DE1000000110214

H50
ENE **DE WELLS** **DE1000000110211**
1/4 - 1/2 Mile
Higher

Objectid:	110211		
Permitnumb:	55717		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19831202000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19831202000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	23.8999996185303	Screenbase:	24.8999996185303
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	116834		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	21.8999996185303
Groutmater:	Cuttings	Graveltop:	22.8999996185303
Gravelbase:	25.8999996185303	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	23.8999996185303
Innercas01:	PVC	Site id:	DE1000000110211

H51
ENE **DE WELLS** **DE1000000110212**
1/4 - 1/2 Mile
Higher

Objectid:	110212		
Permitnumb:	55718		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19831207000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	45.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19831207000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28.5	Screenbase:	29.5
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	119352		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	26.5
Groutmater:	Cuttings	Graveltop:	27.5
Gravelbase:	30.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	28.5
Innercas01:	PVC	Site id:	DE1000000110212

H52
ENE **DE WELLS** **DE1000000110213**
1/4 - 1/2 Mile
Higher

Objectid:	110213		
Permitnumb:	55719		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19831219000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	50
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19831219000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	44.5	Screenbase:	45.5
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	116161		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	40.5
Groutmater:	Cuttings	Graveltop:	43.5
Gravelbase:	46.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	44.5
Innercas01:	PVC	Site id:	DE1000000110213

H53
ENE **DE WELLS** **DE1000000110476**
1/4 - 1/2 Mile
Higher

Objectid:	110476		
Permitnumb:	57627		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	1
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114533		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	7
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	12
Innercas01:	Steel	Site id:	DE1000000110476

H54
ENE **DE WELLS** **DE1000000110477**
1/4 - 1/2 Mile
Higher

Objectid:	110477		
Permitnumb:	57628		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	26
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	24	Screenbase:	26
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114534		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	20
Gravelbase:	28	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	25
Innercas01:	Steel	Site id:	DE1000000110477

H55
ENE **DE WELLS** **DE1000000110478**
1/4 - 1/2 Mile
Higher

Objectid:	110478		
Permitnumb:	57629		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	8	Screenbase:	10
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	119538		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	4
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	9
Innercas01:	Steel	Site id:	DE1000000110478

H56
ENE **DE WELLS** **DE1000000110475**
1/4 - 1/2 Mile
Higher

Objectid:	110475		
Permitnumb:	57626		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	26
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	24	Screenbase:	26
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	115749		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	20
Gravelbase:	28	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	25
Innercas01:	Steel	Site id:	DE1000000110475

H57
ENE **DE WELLS** **DE1000000110218**
1/4 - 1/2 Mile
Higher

Objectid:	110218		
Permitnumb:	55724		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19831208000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19831208000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	16.2999992370605	Screenbase:	17.2999992370605
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	116386		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	14.3000001907349
Groutmater:	Cuttings	Graveltop:	15.3000001907349
Gravelbase:	18.2999992370605	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	16.2999992370605
Innercas01:	PVC	Site id:	DE1000000110218

H58
ENE **DE WELLS** **DE1000000110219**
1/4 - 1/2 Mile
Higher

Objectid:	110219		
Permitnumb:	55725		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19990101000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19990101000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	14	Screenbase:	15
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	116163		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	14
Groutmater:	Cuttings	Graveltop:	12
Gravelbase:	16	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	14
Innercas01:	PVC	Site id:	DE1000000110219

H59
ENE **DE WELLS** **DE1000000110474**
1/4 - 1/2 Mile
Higher

Objectid:	110474		
Permitnumb:	57622		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114530		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	20
Gravelbase:	28	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	12
Innercas01:	Steel	Site id:	DE1000000110474

H60
ENE **DE WELLS** **DE1000000110131**
1/4 - 1/2 Mile
Higher

Objectid:	110131		
Permitnumb:	54236		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830701000000.000
Proposeddr:	Mud Rotary	Formation:	Potomac Gp
Aquifer:	Potomac Fm	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	130
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	96	Screenbase:	102
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	114385		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	86
Groutmater:	Bentonite	Graveltop:	86
Gravelbase:	102	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	96
Innercas01:	PVC	Site id:	DE1000000110131

H61
ENE **DE WELLS** **DE1000000110132**
1/4 - 1/2 Mile
Higher

Objectid:	110132		
Permitnumb:	54237		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830701000000.000
Proposeddr:	Mud Rotary	Formation:	Potomac Gp
Aquifer:	Potomac Fm	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	195
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	144	Screenbase:	154
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	114386		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	135
Groutmater:	Bentonite	Graveltop:	135
Gravelbase:	154	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	144
Innercas01:	PVC	Site id:	DE1000000110132

H62
ENE **DE WELLS** **DE1000000110133**
1/4 - 1/2 Mile
Higher

Objectid:	110133		
Permitnumb:	54238		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830701000000.000
Proposeddr:	Mud Rotary	Formation:	Potomac Gp
Aquifer:	Potomac Fm	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	220
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	164	Screenbase:	174
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	114387		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	150
Groutmater:	Bentonite	Graveltop:	150
Gravelbase:	174	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	164
Innercas01:	PVC	Site id:	DE1000000110133

H63
ENE **DE WELLS** **DE1000000110130**
1/4 - 1/2 Mile
Higher

Objectid:	110130		
Permitnumb:	54235		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830701000000.000
Proposeddr:	Mud Rotary	Formation:	Potomac Gp
Aquifer:	Potomac Fm	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	165
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	155	Screenbase:	165
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	115179		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	145
Groutmater:	Bentonite	Graveltop:	155
Gravelbase:	165	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	155
Innercas01:	PVC	Site id:	DE1000000110130

H64
ENE **DE WELLS** **DE1000000110127**
1/4 - 1/2 Mile
Higher

Objectid:	110127		
Permitnumb:	54232		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830718000000.000
Proposeddr:	Mud Rotary	Formation:	Columbia Gp
Aquifer:	Columbia Gp	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	38
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830718000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28	Screenbase:	38
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	118917		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	23
Groutmater:	Bentonite	Graveltop:	23
Gravelbase:	38	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	28
Innercas01:	PVC	Site id:	DE1000000110127

H65
ENE **DE WELLS** **DE1000000110128**
1/4 - 1/2 Mile
Higher

Objectid:	110128		
Permitnumb:	54233		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830813000000.000
Proposeddr:	Mud Rotary	Formation:	Columbia Gp
Aquifer:	Columbia Gp	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	110
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830813000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	46	Screenbase:	56
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	115178		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	40
Groutmater:	Bentonite	Graveltop:	40
Gravelbase:	56	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	46
Innercas01:	PVC	Site id:	DE1000000110128

H66
ENE **DE WELLS** **DE1000000110129**
1/4 - 1/2 Mile
Higher

Objectid:	110129		
Permitnumb:	54234		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830701000000.000
Proposeddr:	Mud Rotary	Formation:	Potomac Gp
Aquifer:	Potomac Fm	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	200
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	143	Screenbase:	153
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	118918		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	135
Groutmater:	Bentonite	Graveltop:	135
Gravelbase:	153	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	143
Innercas01:	PVC	Site id:	DE1000000110129

H67
ENE **DE WELLS** **DE1000000110208**
1/4 - 1/2 Mile
Higher

Objectid:	110208		
Permitnumb:	55714		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19831220000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	45
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19831220000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	31.2999992370605	Screenbase:	32.2999992370605
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	119351		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	29.2999992370605
Groutmater:	Cuttings	Graveltop:	30.2999992370605
Gravelbase:	33.2999992370605	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	31.2999992370605
Innercas01:	PVC	Site id:	DE1000000110208

H68
ENE **DE WELLS** **DE1000000110209**
1/4 - 1/2 Mile
Higher

Objectid:	110209		
Permitnumb:	55715		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19831113000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	40.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19831113000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	116383		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000110209

H69
ENE **DE WELLS** **DE1000000110210**
1/4 - 1/2 Mile
Higher

Objectid:	110210		
Permitnumb:	55716		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19831129000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	45.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19831125000000.000
Locreviewd:	19831125000000.000	Proposedco:	19831125000000.000
Permitappr:	19831125000000.000	Actualcons:	Not Reported
Completion:	19831129000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28.2999992370605	Screenbase:	29.2999992370605
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	116160		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	26.2999992370605
Groutmater:	Cuttings	Graveltop:	27.2999992370605
Gravelbase:	30.2999992370605	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	28.2999992370605
Innercas01:	PVC	Site id:	DE1000000110210

H70
ENE **DE WELLS** **DE1000000110137**
1/4 - 1/2 Mile
Higher

Objectid:	110137		
Permitnumb:	54242		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830701000000.000
Proposeddr:	Mud Rotary	Formation:	Potomac Gp
Aquifer:	Potomac Fm	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	90	Screenbase:	100
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	118920		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	90
Groutmater:	Bentonite	Graveltop:	90
Gravelbase:	100	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	90
Innercas01:	PVC	Site id:	DE1000000110137

H71
ENE **DE WELLS** **DE1000000110134**
1/4 - 1/2 Mile
Higher

Objectid:	110134		
Permitnumb:	54239		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830701000000.000
Proposeddr:	Mud Rotary	Formation:	Potomac Gp
Aquifer:	Potomac Fm	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	255
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	155	Screenbase:	165
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	114388		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	138
Groutmater:	Bentonite	Graveltop:	138
Gravelbase:	165	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	155
Innercas01:	PVC	Site id:	DE1000000110134

H72
ENE **DE WELLS** **DE1000000110135**
1/4 - 1/2 Mile
Higher

Objectid:	110135		
Permitnumb:	54240		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830701000000.000
Proposeddr:	Mud Rotary	Formation:	Potomac Gp
Aquifer:	Potomac Fm	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	61
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	44	Screenbase:	50
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	118919		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	39
Groutmater:	Bentonite	Graveltop:	39
Gravelbase:	50	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	44
Innercas01:	PVC	Site id:	DE1000000110135

H73
ENE **DE WELLS** **DE1000000110136**
1/4 - 1/2 Mile
Higher

Objectid:	110136		
Permitnumb:	54241		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830701000000.000
Proposeddr:	Mud Rotary	Formation:	Potomac Gp
Aquifer:	Potomac Fm	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	230
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	170	Screenbase:	180
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	115228		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	160
Groutmater:	Bentonite	Graveltop:	160
Gravelbase:	180	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	170
Innercas01:	PVC	Site id:	DE1000000110136

H74
ENE **DE WELLS** **DE1000000110836**
1/4 - 1/2 Mile
Higher

Objectid:	110836		
Permitnumb:	60700		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850507000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	70.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850422000000.000
Locreviewd:	19850422000000.000	Proposedco:	19850422000000.000
Permitappr:	19850422000000.000	Actualcons:	Not Reported
Completion:	19850507000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	54	Screenbase:	64
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	120050		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	2	Groutbase:	52
Groutmater:	Bentonite	Graveltop:	52
Gravelbase:	70	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	54
Innercas01:	PVC	Site id:	DE1000000110836

H75
ENE **DE WELLS** **DE1000000110837**
1/4 - 1/2 Mile
Higher

Objectid:	110837		
Permitnumb:	60701		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850508000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	42.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850422000000.000
Locreviewd:	19850422000000.000	Proposedco:	19850422000000.000
Permitappr:	19850422000000.000	Actualcons:	Not Reported
Completion:	19850508000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	31.7000007629395	Screenbase:	41.7000007629395
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	118418		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	2	Groutbase:	30
Groutmater:	Bentonite	Graveltop:	30
Gravelbase:	42.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	31.7000007629395
Innercas01:	PVC	Site id:	DE1000000110837

H76
ENE **DE WELLS** **DE1000000110838**
1/4 - 1/2 Mile
Higher

Objectid:	110838		
Permitnumb:	60705		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850507000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	68.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850422000000.000
Locreviewd:	19850422000000.000	Proposedco:	19850422000000.000
Permitappr:	19850422000000.000	Actualcons:	Not Reported
Completion:	19850507000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	53	Screenbase:	63
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	120051		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	2	Groutbase:	51
Groutmater:	Bentonite	Graveltop:	51
Gravelbase:	68	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	53
Innercas01:	PVC	Site id:	DE1000000110838

H77
ENE **DE WELLS** **DE1000000110821**
1/4 - 1/2 Mile
Higher

Objectid:	110821		
Permitnumb:	60431		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850408000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850403000000.000
Locreviewd:	19850403000000.000	Proposedco:	19850403000000.000
Permitappr:	19850403000000.000	Actualcons:	Not Reported
Completion:	19850408000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	12.5	Screenbase:	13
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	119296		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont,		
Owneraddre:	1007 Market Street, Wilmington, DE 19898 US		
Grouttop:	0	Groutbase:	10
Groutmater:	Cuttings	Graveltop:	10
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	12.5
Innercas01:	PVC	Site id:	DE1000000110821

H78
ENE **DE WELLS** **DE1000000110818**
1/4 - 1/2 Mile
Higher

Objectid:	110818		
Permitnumb:	60428		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850405000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	36
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850403000000.000
Locreviewd:	19850403000000.000	Proposedco:	19850403000000.000
Permitappr:	19850403000000.000	Actualcons:	Not Reported
Completion:	19850405000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	33.5	Screenbase:	34
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	116327		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont,		
Owneraddre:	1007 Market Street, Wilmington, DE 19898 US		
Grouttop:	0	Groutbase:	31
Groutmater:	Cuttings	Graveltop:	31
Gravelbase:	36	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	33.5
Innercas01:	PVC	Site id:	DE1000000110818

H79
ENE **DE WELLS** **DE1000000110819**
1/4 - 1/2 Mile
Higher

Objectid:	110819		
Permitnumb:	60429		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850404000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850403000000.000
Locreviewd:	19850403000000.000	Proposedco:	19850403000000.000
Permitappr:	19850403000000.000	Actualcons:	Not Reported
Completion:	19850404000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	12.5	Screenbase:	13
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	122506		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont,		
Owneraddre:	1007 Market Street, Wilmington, DE 19898 US		
Grouttop:	0	Groutbase:	10
Groutmater:	Cuttings	Graveltop:	10
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	12.5
Innercas01:	PVC	Site id:	DE1000000110819

H80
ENE **DE WELLS** **DE1000000110820**
1/4 - 1/2 Mile
Higher

Objectid:	110820		
Permitnumb:	60430		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850404000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850403000000.000
Locreviewd:	19850403000000.000	Proposedco:	19850403000000.000
Permitappr:	19850403000000.000	Actualcons:	Not Reported
Completion:	19850404000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	12.5	Screenbase:	13
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	119295		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont,		
Owneraddre:	1007 Market Street, Wilmington, DE 19898 US		
Grouttop:	0	Groutbase:	10
Groutmater:	Cuttings	Graveltop:	10
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	12.5
Innercas01:	PVC	Site id:	DE1000000110820

H81
ENE **DE WELLS** **DE1000000111027**
1/4 - 1/2 Mile
Higher

Objectid:	111027		
Permitnumb:	62461		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850823000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850823000000.000
Locreviewd:	19850823000000.000	Proposedco:	19850823000000.000
Permitappr:	19850823000000.000	Actualcons:	Not Reported
Completion:	19850823000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	15
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	124177		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000111027

H82
ENE **DE WELLS** **DE1000000111028**
1/4 - 1/2 Mile
Higher

Objectid:	111028		
Permitnumb:	62462		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850823000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850823000000.000
Locreviewd:	19850823000000.000	Proposedco:	19850823000000.000
Permitappr:	19850823000000.000	Actualcons:	Not Reported
Completion:	19850823000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	15
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	124178		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Neat Cement	Graveltop:	5
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	5
Innercas01:	PVC	Site id:	DE1000000111028

H83
ENE **DE WELLS** **DE1000000111029**
1/4 - 1/2 Mile
Higher

Objectid:	111029		
Permitnumb:	62463		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850823000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	12
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850823000000.000
Locreviewd:	19850823000000.000	Proposedco:	19850823000000.000
Permitappr:	19850823000000.000	Actualcons:	Not Reported
Completion:	19850823000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	12
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	120742		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000111029

H84
ENE **DE WELLS** **DE1000000111026**
1/4 - 1/2 Mile
Higher

Objectid:	111026		
Permitnumb:	62460		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850822000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850823000000.000
Locreviewd:	19850823000000.000	Proposedco:	19850823000000.000
Permitappr:	19850823000000.000	Actualcons:	Not Reported
Completion:	19850822000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	13
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	119628		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	13	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000111026

H85
ENE **DE WELLS** **DE1000000111023**
1/4 - 1/2 Mile
Higher

Objectid:	111023		
Permitnumb:	62457		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850827000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	8
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850823000000.000
Locreviewd:	19850823000000.000	Proposedco:	19850823000000.000
Permitappr:	19850823000000.000	Actualcons:	Not Reported
Completion:	19850827000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	8
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	120741		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	8	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000111023

H86
ENE **DE WELLS** **DE1000000111024**
1/4 - 1/2 Mile
Higher

Objectid:	111024		
Permitnumb:	62458		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850822000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	8
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850823000000.000
Locreviewd:	19850823000000.000	Proposedco:	19850823000000.000
Permitappr:	19850823000000.000	Actualcons:	Not Reported
Completion:	19850822000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	8
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	119627		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	8	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000111024

H87
ENE **DE WELLS** **DE1000000111025**
1/4 - 1/2 Mile
Higher

Objectid:	111025		
Permitnumb:	62459		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850822000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	9
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850823000000.000
Locreviewd:	19850823000000.000	Proposedco:	19850823000000.000
Permitappr:	19850823000000.000	Actualcons:	Not Reported
Completion:	19850822000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	9
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	120470		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	9	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000111025

H88
ENE **DE WELLS** **DE1000000110483**
1/4 - 1/2 Mile
Higher

Objectid:	110483		
Permitnumb:	57634		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	18	Screenbase:	20
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114536		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	14
Gravelbase:	22	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	19
Innercas01:	Steel	Site id:	DE1000000110483

H89
ENE **DE WELLS** **DE1000000110484**
1/4 - 1/2 Mile
Higher

Objectid:	110484		
Permitnumb:	57635		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114537		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	7
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	12
Innercas01:	Steel	Site id:	DE1000000110484

H90
ENE **DE WELLS** **DE1000000110485**
1/4 - 1/2 Mile
Higher

Objectid:	110485		
Permitnumb:	57636		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	26
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	24	Screenbase:	26
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	115751		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	20
Gravelbase:	28	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	25
Innercas01:	Steel	Site id:	DE1000000110485

H91
ENE **DE WELLS** **DE1000000110482**
1/4 - 1/2 Mile
Higher

Objectid:	110482		
Permitnumb:	57633		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	26
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	24	Screenbase:	26
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	115750		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	20
Gravelbase:	28	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	25
Innercas01:	Steel	Site id:	DE1000000110482

H92
ENE **DE WELLS** **DE1000000110479**
1/4 - 1/2 Mile
Higher

Objectid:	110479		
Permitnumb:	57630		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	18	Screenbase:	20
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114957		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	14
Gravelbase:	22	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	19
Innercas01:	Steel	Site id:	DE1000000110479

H93
ENE **DE WELLS** **DE1000000110480**
1/4 - 1/2 Mile
Higher

Objectid:	110480		
Permitnumb:	57631		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	30
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19850731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28	Screenbase:	30
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114958		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	24
Gravelbase:	32	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	29
Innercas01:	Steel	Site id:	DE1000000110480

H94
ENE **DE WELLS** **DE1000000110481**
1/4 - 1/2 Mile
Higher

Objectid:	110481		
Permitnumb:	57632		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114535		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	7
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	12
Innercas01:	Steel	Site id:	DE1000000110481

H95
ENE **DE WELLS** **DE1000000110490**
1/4 - 1/2 Mile
Higher

Objectid:	110490		
Permitnumb:	57641		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	26
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	24	Screenbase:	26
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114960		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	20
Gravelbase:	28	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	25
Innercas01:	Steel	Site id:	DE1000000110490

H96
ENE **DE WELLS** **DE1000000110797**
1/4 - 1/2 Mile
Higher

Objectid:	110797		
Permitnumb:	60134		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850227000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	17.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850305000000.000
Locreviewd:	19850305000000.000	Proposedco:	19850305000000.000
Permitappr:	19850305000000.000	Actualcons:	Not Reported
Completion:	19850227000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7.5	Screenbase:	17.5
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	117265		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	17.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7.5
Innercas01:	PVC	Site id:	DE1000000110797

H97
ENE **DE WELLS** **DE1000000110817**
1/4 - 1/2 Mile
Higher

Objectid:	110817		
Permitnumb:	60427		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850408000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	36
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850403000000.000
Locreviewd:	19850403000000.000	Proposedco:	19850403000000.000
Permitappr:	19850403000000.000	Actualcons:	Not Reported
Completion:	19850408000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	33.5	Screenbase:	34
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	116977		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont,		
Owneraddre:	1007 Market Street, Wilmington, DE 19898 US		
Grouttop:	0	Groutbase:	31
Groutmater:	Bentonite	Graveltop:	31
Gravelbase:	36	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	33.5
Innercas01:	PVC	Site id:	DE1000000110817

H98
ENE **DE WELLS** **DE1000000110489**
1/4 - 1/2 Mile
Higher

Objectid:	110489		
Permitnumb:	57640		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114959		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	7
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	12
Innercas01:	Steel	Site id:	DE1000000110489

H99
ENE **DE WELLS** **DE1000000110486**
1/4 - 1/2 Mile
Higher

Objectid:	110486		
Permitnumb:	57637		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	18	Screenbase:	20
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114538		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	14
Gravelbase:	22	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	19
Innercas01:	Steel	Site id:	DE1000000110486

H100
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000110487**

Objectid:	110487		
Permitnumb:	57638		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114539		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	7
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	12
Innercas01:	Steel	Site id:	DE1000000110487

H101
ENE **DE WELLS** **DE1000000110488**
1/4 - 1/2 Mile
Higher

Objectid:	110488		
Permitnumb:	57639		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19840731000000.000
Proposeddr:	Driven	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	26
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19840705000000.000
Locreviewd:	19840705000000.000	Proposedco:	19840705000000.000
Permitappr:	19840705000000.000	Actualcons:	Not Reported
Completion:	19840731000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	24	Screenbase:	26
Screenmate:	Steel	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	119539		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	20
Gravelbase:	28	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	25
Innercas01:	Steel	Site id:	DE1000000110488

H102
ENE **DE WELLS** **DE1000000103307**
1/4 - 1/2 Mile
Higher

Objectid:	103307		
Permitnumb:	109478		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	113911		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	18
Groutmater:	Bentonite	Graveltop:	20
Gravelbase:	25	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	24
Innercas01:	PVC	Site id:	DE1000000103307

H103
ENE **DE WELLS** **DE1000000103308**
1/4 - 1/2 Mile
Higher

Objectid:	103308		
Permitnumb:	109479		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	16
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114056		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	9
Groutmater:	Bentonite	Graveltop:	11
Gravelbase:	16	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	15
Innercas01:	PVC	Site id:	DE1000000103308

H104
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000103309**

Objectid:	103309		
Permitnumb:	109480		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	30
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114172		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	23
Groutmater:	Bentonite	Graveltop:	25
Gravelbase:	30	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	29
Innercas01:	PVC	Site id:	DE1000000103309

H105
ENE **DE WELLS** **DE1000000103306**
1/4 - 1/2 Mile
Higher

Objectid:	103306		
Permitnumb:	109477		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114055		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	18
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	25	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	24
Innercas01:	PVC	Site id:	DE1000000103306

H106
ENE **DE WELLS** **DE1000000103303**
1/4 - 1/2 Mile
Higher

Objectid:	103303		
Permitnumb:	109474		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	40
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28	Screenbase:	38
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	112372		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	21
Groutmater:	Bentonite	Graveltop:	23
Gravelbase:	40	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	28
Innercas01:	PVC	Site id:	DE1000000103303

H107
ENE **DE WELLS** **DE1000000103304**
1/4 - 1/2 Mile
Higher

Objectid:	103304		
Permitnumb:	109475		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	14
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114054		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	8
Groutmater:	Bentonite	Graveltop:	9
Gravelbase:	14	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	13
Innercas01:	PVC	Site id:	DE1000000103304

H108
ENE **DE WELLS** **DE1000000103305**
1/4 - 1/2 Mile
Higher

Objectid:	103305		
Permitnumb:	109476		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	113910		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	13
Groutmater:	Bentonite	Graveltop:	15
Gravelbase:	20	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	19
Innercas01:	PVC	Site id:	DE1000000103305

H109
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000103314**

Objectid:	103314		
Permitnumb:	109511		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112964		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	7
Groutmater:	Bentonite	Graveltop:	8
Gravelbase:	13	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	12
Innercas01:	PVC	Site id:	DE1000000103314

H110
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000103315**

Objectid:	103315		
Permitnumb:	109512		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	23
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112965		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	16
Groutmater:	Bentonite	Graveltop:	18
Gravelbase:	23	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	22
Innercas01:	PVC	Site id:	DE1000000103315

H111
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000103316**

Objectid:	103316		
Permitnumb:	109513		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112966		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	23
Groutmater:	Bentonite	Graveltop:	25
Gravelbase:	30	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	19
Innercas01:	PVC	Site id:	DE1000000103316

H112
ENE **DE WELLS** **DE1000000103313**
1/4 - 1/2 Mile
Higher

Objectid:	103313		
Permitnumb:	109510		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112963		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	12
Groutmater:	Bentonite	Graveltop:	14
Gravelbase:	19	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	18
Innercas01:	PVC	Site id:	DE1000000103313

H113 **DE WELLS** **DE1000000103310**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	103310		
Permitnumb:	109481		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114173		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	12
Groutmater:	Bentonite	Graveltop:	14
Gravelbase:	19	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	18
Innercas01:	PVC	Site id:	DE1000000103310

H114
ENE **DE WELLS** **DE1000000103311**
1/4 - 1/2 Mile
Higher

Objectid:	103311		
Permitnumb:	109482		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114174		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	18
Groutmater:	Bentonite	Graveltop:	20
Gravelbase:	25	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	24
Innercas01:	PVC	Site id:	DE1000000103311

H115
ENE **DE WELLS** **DE1000000103312**
1/4 - 1/2 Mile
Higher

Objectid:	103312		
Permitnumb:	109483		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114175		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	10	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	9
Innercas01:	PVC	Site id:	DE1000000103312

H116
ENE **DE WELLS** **DE1000000103293**
1/4 - 1/2 Mile
Higher

Objectid:	103293		
Permitnumb:	109461		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	42
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	30	Screenbase:	40
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	112368		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	23
Groutmater:	Bentonite	Graveltop:	25
Gravelbase:	42	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	30
Innercas01:	PVC	Site id:	DE1000000103293

H117
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000103294**

Objectid:	103294		
Permitnumb:	109463		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	44
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	20110808000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	32	Screenbase:	42
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114167		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5378		
Wellcontra:	Summit Site Services Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	25
Groutmater:	Bentonite	Graveltop:	27
Gravelbase:	44	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	32
Innercas01:	PVC	Site id:	DE1000000103294

H118
ENE **DE WELLS** **DE1000000103295**
1/4 - 1/2 Mile
Higher

Objectid:	103295		
Permitnumb:	109464		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	44
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	20110808000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	32	Screenbase:	42
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	112369		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5378		
Wellcontra:	Summit Site Services Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	25
Groutmater:	Bentonite	Graveltop:	27
Gravelbase:	44	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	32
Innercas01:	PVC	Site id:	DE1000000103295

H119
ENE **DE WELLS** **DE1000000103292**
1/4 - 1/2 Mile
Higher

Objectid:	103292		
Permitnumb:	109460		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	34
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	22	Screenbase:	32
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	112367		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	15
Groutmater:	Bentonite	Graveltop:	17
Gravelbase:	34	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	22
Innercas01:	PVC	Site id:	DE1000000103292

H120
ENE **DE WELLS** **DE1000000103289**
1/4 - 1/2 Mile
Higher

Objectid:	103289		
Permitnumb:	109457		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	30
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	18	Screenbase:	28
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114050		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	12
Groutmater:	Bentonite	Graveltop:	13
Gravelbase:	30	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	18
Innercas01:	PVC	Site id:	DE1000000103289

H121
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000103290**

Objectid:	103290		
Permitnumb:	109458		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	22
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	10	Screenbase:	20
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114051		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	22	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	10
Innercas01:	PVC	Site id:	DE1000000103290

H122
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000103291**

Objectid:	103291		
Permitnumb:	109459		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	26
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	14	Screenbase:	24
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	113908		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	8
Groutmater:	Bentonite	Graveltop:	9
Gravelbase:	26	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	14
Innercas01:	PVC	Site id:	DE1000000103291

H123
ENE **DE WELLS** **DE1000000103300**
1/4 - 1/2 Mile
Higher

Objectid:	103300		
Permitnumb:	109470		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	40
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28	Screenbase:	38
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	114170		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	21
Groutmater:	Bentonite	Graveltop:	23
Gravelbase:	40	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	28
Innercas01:	PVC	Site id:	DE1000000103300

H124
ENE **DE WELLS** **DE1000000103301**
1/4 - 1/2 Mile
Higher

Objectid:	103301		
Permitnumb:	109472		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	76
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	64	Screenbase:	74
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	113909		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	59
Groutmater:	Bentonite	Graveltop:	59
Gravelbase:	76	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	64
Innercas01:	PVC	Site id:	DE1000000103301

H125
ENE **DE WELLS** **DE1000000103302**
1/4 - 1/2 Mile
Higher

Objectid:	103302		
Permitnumb:	109473		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	60
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	48	Screenbase:	58
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	114053		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	41
Groutmater:	Bentonite	Graveltop:	43
Gravelbase:	60	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	48
Innercas01:	PVC	Site id:	DE1000000103302

H126
ENE **DE WELLS** **DE1000000103299**
1/4 - 1/2 Mile
Higher

Objectid:	103299		
Permitnumb:	109469		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	70
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	58	Screenbase:	68
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	112371		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	51
Groutmater:	Bentonite	Graveltop:	53
Gravelbase:	70	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	58
Innercas01:	PVC	Site id:	DE1000000103299

H127
ENE **DE WELLS** **DE1000000103296**
1/4 - 1/2 Mile
Higher

Objectid:	103296		
Permitnumb:	109465		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	26
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	20110810000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	14	Screenbase:	24
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114052		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5378		
Wellcontra:	Summit Site Services Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	8
Groutmater:	Bentonite	Graveltop:	9
Gravelbase:	26	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	14
Innercas01:	PVC	Site id:	DE1000000103296

H128
ENE **DE WELLS** **DE1000000103297**
1/4 - 1/2 Mile
Higher

Objectid:	103297		
Permitnumb:	109466		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	32
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	20110810000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	20	Screenbase:	30
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	112370		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5378		
Wellcontra:	Summit Site Services Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	13
Groutmater:	Bentonite	Graveltop:	15
Gravelbase:	32	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	20
Innercas01:	PVC	Site id:	DE1000000103297

H129
ENE **DE WELLS** **DE1000000103298**
1/4 - 1/2 Mile
Higher

Objectid:	103298		
Permitnumb:	109468		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	32
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	20	Screenbase:	30
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114169		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	13
Groutmater:	Bentonite	Graveltop:	15
Gravelbase:	32	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	20
Innercas01:	PVC	Site id:	DE1000000103298

H130 **DE WELLS** **DE1000000103409**
ENE
1/4 - 1/2 Mile Higher

Objectid:	103409		
Permitnumb:	109881		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19961015000000.000
Locreviewd:	19961015000000.000	Proposedco:	19961015000000.000
Permitappr:	19961015000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	113079		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont Envir Re,		
Owneraddre:	300 Bellevue Parkway, Wilmington, DE 19809 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000103409

H131
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000109370**

Objectid:	109370		
Permitnumb:	39807		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19771210000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Hay Rd	Apprecdate:	19771024000000.000
Locreviewd:	19771024000000.000	Proposedco:	19771024000000.000
Permitappr:	19771024000000.000	Actualcons:	Not Reported
Completion:	19771210000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	150463		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	EI Dupont DeNemours & Company		
Owneraddre:	Edgemoor Plant, C/O Mr Stowe, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000109370

H132
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000109696**

Objectid:	109696		
Permitnumb:	50354		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19820210000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	40
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19820201000000.000
Locreviewd:	19820201000000.000	Proposedco:	19820201000000.000
Permitappr:	19820201000000.000	Actualcons:	Not Reported
Completion:	19820210000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	35	Screenbase:	40
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	113234		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont,		
Owneraddre:	1007 Market Street, Wilmington, DE 19898 US		
Grouttop:	0	Groutbase:	35
Groutmater:	Bentonite	Graveltop:	35
Gravelbase:	40	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	35
Innercas01:	PVC	Site id:	DE1000000109696

H133
ENE **DE WELLS** **DE1000000103334**
1/4 - 1/2 Mile
Higher

Objectid:	103334		
Permitnumb:	109532		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111830		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	100
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	100
Innercas01:	PVC	Site id:	DE1000000103334

H134
ENE **DE WELLS** **DE1000000103331**
1/4 - 1/2 Mile
Higher

Objectid:	103331		
Permitnumb:	109528		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111342		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	100
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	100
Innercas01:	PVC	Site id:	DE1000000103331

H135
ENE **DE WELLS** **DE1000000103332**
1/4 - 1/2 Mile
Higher

Objectid:	103332		
Permitnumb:	109530		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	20110810000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111343		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5378		
Wellcontra:	Summit Site Services Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	100
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	100
Innercas01:	PVC	Site id:	DE1000000103332

H136
ENE **DE WELLS** **DE1000000103333**
1/4 - 1/2 Mile
Higher

Objectid:	103333		
Permitnumb:	109531		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	20110810000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111829		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5378		
Wellcontra:	Summit Site Services Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	100
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	100
Innercas01:	PVC	Site id:	DE1000000103333

H137
ENE **DE WELLS** **DE1000000110123**
1/4 - 1/2 Mile
Higher

Objectid:	110123		
Permitnumb:	54228		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830727000000.000
Proposeddr:	Mud Rotary	Formation:	Columbia Gp
Aquifer:	Columbia Gp	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	58
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830727000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	53	Screenbase:	58
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	115177		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	40
Groutmater:	Bentonite	Graveltop:	40
Gravelbase:	58	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	53
Innercas01:	PVC	Site id:	DE1000000110123

H138
ENE **DE WELLS** **DE1000000110125**
1/4 - 1/2 Mile
Higher

Objectid:	110125		
Permitnumb:	54230		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830720000000.000
Proposeddr:	Mud Rotary	Formation:	Columbia Gp
Aquifer:	Columbia Gp	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	44
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830720000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	34	Screenbase:	44
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	118916		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	29
Groutmater:	Bentonite	Graveltop:	29
Gravelbase:	44	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	34
Innercas01:	PVC	Site id:	DE1000000110125

H139
ENE **DE WELLS** **DE1000000110126**
1/4 - 1/2 Mile
Higher

Objectid:	110126		
Permitnumb:	54231		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830802000000.000
Proposeddr:	Mud Rotary	Formation:	Columbia Gp
Aquifer:	Columbia Gp	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830802000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	16	Screenbase:	20
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	115227		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	13
Groutmater:	Bentonite	Graveltop:	13
Gravelbase:	20	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	16
Innercas01:	PVC	Site id:	DE1000000110126

H140
ENE **DE WELLS** **DE1000000110122**
1/4 - 1/2 Mile
Higher

Objectid:	110122		
Permitnumb:	54227		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830729000000.000
Proposeddr:	Mud Rotary	Formation:	Columbia Gp
Aquifer:	Columbia Gp	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	47
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830729000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	42	Screenbase:	47
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	118915		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	25
Groutmater:	Bentonite	Graveltop:	25
Gravelbase:	47	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	42
Innercas01:	PVC	Site id:	DE1000000110122

H141
ENE **DE WELLS** **DE1000000110023**
1/4 - 1/2 Mile
Higher

Objectid:	110023		
Permitnumb:	53395		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	84.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830314000000.000
Locreviewd:	19830314000000.000	Proposedco:	19830314000000.000
Permitappr:	19830314000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114010		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont Louviers,		
Owneraddre:	Milford Cross Road, Louvier Bldg Room L 1006, Newark, DE 19711 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000110023

H142
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000110120**

Objectid:	110120		
Permitnumb:	54225		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830808000000.000
Proposeddr:	Mud Rotary	Formation:	Columbia Gp
Aquifer:	Columbia Gp	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	70
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830706000000.000
Locreviewd:	19830706000000.000	Proposedco:	19830706000000.000
Permitappr:	19830706000000.000	Actualcons:	Not Reported
Completion:	19830808000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	60	Screenbase:	70
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	118914		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	50
Groutmater:	Bentonite	Graveltop:	50
Gravelbase:	70	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	60
Innercas01:	PVC	Site id:	DE1000000110120

H143
ENE **DE WELLS** **DE1000000110121**
1/4 - 1/2 Mile
Higher

Objectid:	110121		
Permitnumb:	54226		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830701000000.000
Proposeddr:	Mud Rotary	Formation:	Columbia Gp
Aquifer:	Columbia Gp	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	56
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830713000000.000
Locreviewd:	19830713000000.000	Proposedco:	19830713000000.000
Permitappr:	19830713000000.000	Actualcons:	Not Reported
Completion:	19830701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	46	Screenbase:	56
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	115176		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	40
Groutmater:	Bentonite	Graveltop:	40
Gravelbase:	56	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	46
Innercas01:	PVC	Site id:	DE1000000110121

H144 **DE WELLS** **DE1000000103321**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	103321		
Permitnumb:	109518		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	24
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111339		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	17
Groutmater:	Bentonite	Graveltop:	19
Gravelbase:	24	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	23
Innercas01:	PVC	Site id:	DE1000000103321

H145
ENE **DE WELLS** **DE1000000103322**
1/4 - 1/2 Mile
Higher

Objectid:	103322		
Permitnumb:	109519		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	117
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	110698		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	117
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	117
Innercas01:	PVC	Site id:	DE1000000103322

H146
ENE **DE WELLS** **DE1000000103323**
1/4 - 1/2 Mile
Higher

Objectid:	103323		
Permitnumb:	109520		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	110
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112967		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	110
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	110
Innercas01:	PVC	Site id:	DE1000000103323

H147
ENE **DE WELLS** **DE1000000103320**
1/4 - 1/2 Mile
Higher

Objectid:	103320		
Permitnumb:	109517		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	28
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111338		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	21
Groutmater:	Bentonite	Graveltop:	23
Gravelbase:	28	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	27
Innercas01:	PVC	Site id:	DE1000000103320

H148
ENE **DE WELLS** **DE1000000103317**
1/4 - 1/2 Mile
Higher

Objectid:	103317		
Permitnumb:	109514		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	18
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111822		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	11
Groutmater:	Bentonite	Graveltop:	13
Gravelbase:	18	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	17
Innercas01:	PVC	Site id:	DE1000000103317

H149
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000103318**

Objectid:	103318		
Permitnumb:	109515		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	26
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111823		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	19
Groutmater:	Bentonite	Graveltop:	21
Gravelbase:	26	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	25
Innercas01:	PVC	Site id:	DE1000000103318

H150 **DE WELLS** **DE1000000103319**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	103319		
Permitnumb:	109516		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111337		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	13
Groutmater:	Bentonite	Graveltop:	15
Gravelbase:	20	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	19
Innercas01:	PVC	Site id:	DE1000000103319

H151 **DE WELLS** **DE1000000103328**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	103328		
Permitnumb:	109525		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	102
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111826		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	102
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	102
Innercas01:	PVC	Site id:	DE1000000103328

H152
ENE **DE WELLS** **DE1000000103329**
1/4 - 1/2 Mile
Higher

Objectid:	103329		
Permitnumb:	109526		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111827		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	100
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	100
Innercas01:	PVC	Site id:	DE1000000103329

H153 **DE WELLS** **DE1000000103330**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	103330		
Permitnumb:	109527		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111341		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	100
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	100
Innercas01:	PVC	Site id:	DE1000000103330

H154 **DE WELLS** **DE1000000103327**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	103327		
Permitnumb:	109524		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	97
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111825		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	97
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	97
Innercas01:	PVC	Site id:	DE1000000103327

H155 **DE WELLS** **DE1000000103324**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	103324		
Permitnumb:	109521		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	102
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111824		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	102
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000103324

H156
ENE **DE WELLS** **DE1000000103325**
1/4 - 1/2 Mile
Higher

Objectid:	103325		
Permitnumb:	109522		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	103
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112968		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	103
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	103
Innercas01:	PVC	Site id:	DE1000000103325

H157
ENE **DE WELLS** **DE1000000103326**
1/4 - 1/2 Mile
Higher

Objectid:	103326		
Permitnumb:	109523		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	101
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111340		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	101
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	101
Innercas01:	PVC	Site id:	DE1000000103326

H158
ENE **DE WELLS** **DE1000000111030**
1/4 - 1/2 Mile
Higher

Objectid:	111030		
Permitnumb:	62464		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19850827000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	7
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850823000000.000
Locreviewd:	19850823000000.000	Proposedco:	19850823000000.000
Permitappr:	19850823000000.000	Actualcons:	Not Reported
Completion:	19850827000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	7
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	124179		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	7	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000111030

H159 **DE WELLS** **DE1000000115854**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	115854		
Permitnumb:	90483		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920427000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	83.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920324000000.000
Locreviewd:	19920324000000.000	Proposedco:	19920324000000.000
Permitappr:	19920324000000.000	Actualcons:	Not Reported
Completion:	19920427000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	142125		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	18
Groutmater:	Bentonite	Graveltop:	18
Gravelbase:	27	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000115854

H160
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000115855**

Objectid:	115855		
Permitnumb:	90484		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920417000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	84.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920324000000.000
Locreviewd:	19920324000000.000	Proposedco:	19920324000000.000
Permitappr:	19920324000000.000	Actualcons:	Not Reported
Completion:	19920417000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	16	Screenbase:	21
Screenmate:	PVC	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	145879		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	14
Groutmater:	Bentonite	Graveltop:	14
Gravelbase:	23	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	16
Innercas01:	PVC	Site id:	DE1000000115855

H161
ENE **DE WELLS** **DE1000000115856**
1/4 - 1/2 Mile
Higher

Objectid:	115856		
Permitnumb:	90485		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920424000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	125
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920324000000.000
Locreviewd:	19920324000000.000	Proposedco:	19920324000000.000
Permitappr:	19920324000000.000	Actualcons:	Not Reported
Completion:	19920424000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	36	Screenbase:	46
Screenmate:	PVC	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	143843		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	30
Groutmater:	Bentonite	Graveltop:	30
Gravelbase:	46	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	36
Innercas01:	PVC	Site id:	DE1000000115856

H162
ENE **DE WELLS** **DE1000000115853**
1/4 - 1/2 Mile
Higher

Objectid:	115853		
Permitnumb:	90482		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	30
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920324000000.000
Locreviewd:	19920324000000.000	Proposedco:	19920324000000.000
Permitappr:	19920324000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	142124		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000115853

H163
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000115850**

Objectid:	115850		
Permitnumb:	90479		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920413000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	73.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920324000000.000
Locreviewd:	19920324000000.000	Proposedco:	19920324000000.000
Permitappr:	19920324000000.000	Actualcons:	Not Reported
Completion:	19920413000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	142123		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	73
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000115850

H164
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000115851**

Objectid:	115851		
Permitnumb:	90480		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920409000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	68.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920324000000.000
Locreviewd:	19920324000000.000	Proposedco:	19920324000000.000
Permitappr:	19920324000000.000	Actualcons:	Not Reported
Completion:	19920409000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	143841		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	68
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000115851

H165
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000115852**

Objectid:	115852		
Permitnumb:	90481		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920421000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	108
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920324000000.000
Locreviewd:	19920324000000.000	Proposedco:	19920324000000.000
Permitappr:	19920324000000.000	Actualcons:	Not Reported
Completion:	19920421000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	143842		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	108
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000115852

H166
ENE **DE WELLS** **DE1000000117094**
1/4 - 1/2 Mile
Higher

Objectid:	117094		
Permitnumb:	106903		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19960324000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	169
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960126000000.000
Locreviewd:	19960126000000.000	Proposedco:	19960126000000.000
Permitappr:	19960126000000.000	Actualcons:	Not Reported
Completion:	19960324000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	155	Screenbase:	165
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	111582		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	828		
Wellcontra:	Marcor Of Pennsylvania		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	153
Groutmater:	Bentonite	Graveltop:	153
Gravelbase:	169	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	155
Innercas01:	PVC	Site id:	DE1000000117094

H167
ENE **DE WELLS** **DE1000000117095**
1/4 - 1/2 Mile
Higher

Objectid:	117095		
Permitnumb:	106904		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19960214000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	167
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960126000000.000
Locreviewd:	19960126000000.000	Proposedco:	19960126000000.000
Permitappr:	19960126000000.000	Actualcons:	Not Reported
Completion:	19960214000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	155	Screenbase:	165
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	109977		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	828		
Wellcontra:	Marcor Of Pennsylvania		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	152
Groutmater:	Bentonite	Graveltop:	152
Gravelbase:	167	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	155
Innercas01:	PVC	Site id:	DE1000000117095

H168
ENE **DE WELLS** **DE1000000117096**
1/4 - 1/2 Mile
Higher

Objectid:	117096		
Permitnumb:	106905		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19960221000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	157
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960126000000.000
Locreviewd:	19960126000000.000	Proposedco:	19960126000000.000
Permitappr:	19960126000000.000	Actualcons:	Not Reported
Completion:	19960221000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	146	Screenbase:	156
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	110881		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	828		
Wellcontra:	Marcor Of Pennsylvania		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	142
Groutmater:	Bentonite	Graveltop:	142
Gravelbase:	157	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	146
Innercas01:	PVC	Site id:	DE1000000117096

H169
ENE **DE WELLS** **DE1000000117039**
1/4 - 1/2 Mile
Higher

Objectid:	117039		
Permitnumb:	105722		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19950926000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	45
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19950918000000.000
Locreviewd:	19950918000000.000	Proposedco:	19950918000000.000
Permitappr:	19950918000000.000	Actualcons:	Not Reported
Completion:	19950926000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	109513		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	608		
Wellcontra:	American Water Well Systems		
Owner:	Delmarva Power		
Owneraddre:	800 King Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	25
Groutmater:	Bentonite	Graveltop:	25
Gravelbase:	45	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000117039

H170
ENE **DE WELLS** **DE1000000116496**
1/4 - 1/2 Mile
Higher

Objectid:	116496		
Permitnumb:	95715		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930624000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930611000000.000
Locreviewd:	19930611000000.000	Proposedco:	19930611000000.000
Permitappr:	19930611000000.000	Actualcons:	Not Reported
Completion:	19930624000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	15	Screenbase:	20
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	145098		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	Lambson Lane, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	13
Groutmater:	Bentonite	Graveltop:	13
Gravelbase:	20	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	15
Innercas01:	PVC	Site id:	DE1000000116496

H171
ENE **DE WELLS** **DE1000000116497**
1/4 - 1/2 Mile
Higher

Objectid:	116497		
Permitnumb:	95716		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930625000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	31
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930611000000.000
Locreviewd:	19930611000000.000	Proposedco:	19930611000000.000
Permitappr:	19930611000000.000	Actualcons:	Not Reported
Completion:	19930625000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	25	Screenbase:	30
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	149268		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	Lambson Lane, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	25
Groutmater:	Bentonite	Graveltop:	25
Gravelbase:	30	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	25
Innercas01:	PVC	Site id:	DE1000000116497

H172
ENE **DE WELLS** **DE1000000116498**
1/4 - 1/2 Mile
Higher

Objectid:	116498		
Permitnumb:	95717		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930616000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	29
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930611000000.000
Locreviewd:	19930611000000.000	Proposedco:	19930611000000.000
Permitappr:	19930611000000.000	Actualcons:	Not Reported
Completion:	19930616000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	24	Screenbase:	29
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	145099		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	Lambson Lane, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	20
Groutmater:	Bentonite	Graveltop:	24
Gravelbase:	29	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	24
Innercas01:	PVC	Site id:	DE1000000116498

H173
ENE **DE WELLS** **DE1000000115585**
1/4 - 1/2 Mile
Higher

Objectid:	115585		
Permitnumb:	89327		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920129000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19911202000000.000
Locreviewd:	19911202000000.000	Proposedco:	19911202000000.000
Permitappr:	19911202000000.000	Actualcons:	Not Reported
Completion:	19920129000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	4	Screenbase:	19
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	144797		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	14		
Wellcontra:	A C Schultes Of Delaware		
Owner:	City of Wilmington		
Owneraddre:	800 North French Street, Wilmington, DE 19801 US		
Grouttop:	2	Groutbase:	3
Groutmater:	Bentonite	Graveltop:	3
Gravelbase:	19	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	4
Innercas01:	PVC	Site id:	DE1000000115585

H174
ENE **DE WELLS** **DE1000000115586**
1/4 - 1/2 Mile
Higher

Objectid:	115586		
Permitnumb:	89328		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920130000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19911202000000.000
Locreviewd:	19911202000000.000	Proposedco:	19911202000000.000
Permitappr:	19911202000000.000	Actualcons:	Not Reported
Completion:	19920130000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	19
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	143322		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	14		
Wellcontra:	A C Schultes Of Delaware		
Owner:	City of Wilmington		
Owneraddre:	800 North French Street, Wilmington, DE 19801 US		
Grouttop:	2	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	19	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	4
Innercas01:	PVC	Site id:	DE1000000115586

H175
ENE **DE WELLS** **DE1000000115587**
1/4 - 1/2 Mile
Higher

Objectid:	115587		
Permitnumb:	89329		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920130000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19911202000000.000
Locreviewd:	19911202000000.000	Proposedco:	19911202000000.000
Permitappr:	19911202000000.000	Actualcons:	Not Reported
Completion:	19920130000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	19
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	143323		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	14		
Wellcontra:	A C Schultes Of Delaware		
Owner:	City of Wilmington		
Owneraddre:	800 North French Street, Wilmington, DE 19801 US		
Grouttop:	2	Groutbase:	3
Groutmater:	Bentonite	Graveltop:	3
Gravelbase:	19	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	4
Innercas01:	PVC	Site id:	DE1000000115587

H176
ENE **DE WELLS** **DE1000000114777**
1/4 - 1/2 Mile
Higher

Objectid:	114777		
Permitnumb:	85741		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	40
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900123000000.000
Locreviewd:	19900123000000.000	Proposedco:	19900123000000.000
Permitappr:	19900123000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	140859		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	?, Wilmington		
Owneraddre:	12th Street & Hay Road, Wilmington, DE 19809 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000114777

H177
ENE **DE WELLS** **DE1000000114499**
1/4 - 1/2 Mile
Higher

Objectid:	114499		
Permitnumb:	84428		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19901002000000.000
Proposeddr:	Air Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	69
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19901002000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	139858		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	69
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000114499

H178
ENE **DE WELLS** **DE1000000114775**
1/4 - 1/2 Mile
Higher

Objectid:	114775		
Permitnumb:	85739		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	40
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19910123000000.000
Locreviewd:	19910123000000.000	Proposedco:	19910123000000.000
Permitappr:	19910123000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	140858		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	?, Wilmington		
Owneraddre:	12th Street & Hay Road, Wilmington, DE 19809 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000114775

H179
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000114776**

Objectid:	114776		
Permitnumb:	85740		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	40
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19910123000000.000
Locreviewd:	19910123000000.000	Proposedco:	19910123000000.000
Permitappr:	19910123000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	140588		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	?, Wilmington		
Owneraddre:	12th Street & Hay Road, Wilmington, DE 19809 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000114776

H180
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000115847**

Objectid:	115847		
Permitnumb:	90476		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920406000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	75.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920324000000.000
Locreviewd:	19920324000000.000	Proposedco:	19920324000000.000
Permitappr:	19920324000000.000	Actualcons:	Not Reported
Completion:	19920406000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	69	Screenbase:	79
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	145877		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	64
Groutmater:	Bentonite	Graveltop:	64
Gravelbase:	79	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000115847

H181
ENE **DE WELLS** **DE1000000115848**
1/4 - 1/2 Mile
Higher

Objectid:	115848		
Permitnumb:	90477		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920413000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	83
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920324000000.000
Locreviewd:	19920324000000.000	Proposedco:	19920324000000.000
Permitappr:	19920324000000.000	Actualcons:	Not Reported
Completion:	19920413000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	141945		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	66
Groutmater:	Bentonite	Graveltop:	66
Gravelbase:	78	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000115848

H182
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000115849**

Objectid:	115849		
Permitnumb:	90478		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920430000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	84
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920324000000.000
Locreviewd:	19920324000000.000	Proposedco:	19920324000000.000
Permitappr:	19920324000000.000	Actualcons:	Not Reported
Completion:	19920430000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	145878		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	84
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000115849

H183
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000115591**

Objectid:	115591		
Permitnumb:	89333		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920128000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19911202000000.000
Locreviewd:	19911202000000.000	Proposedco:	19911202000000.000
Permitappr:	19911202000000.000	Actualcons:	Not Reported
Completion:	19920128000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	19
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	141791		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	14		
Wellcontra:	A C Schultes Of Delaware		
Owner:	City of Wilmington		
Owneraddre:	800 North French Street, Wilmington, DE 19801 US		
Grouttop:	2	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	19	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	4
Innercas01:	PVC	Site id:	DE1000000115591

H184
ENE **DE WELLS** **DE1000000115588**
1/4 - 1/2 Mile
Higher

Objectid:	115588		
Permitnumb:	89330		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920129000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19911202000000.000
Locreviewd:	19911202000000.000	Proposedco:	19911202000000.000
Permitappr:	19911202000000.000	Actualcons:	Not Reported
Completion:	19920129000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	19
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	143324		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	14		
Wellcontra:	A C Schultes Of Delaware		
Owner:	City of Wilmington		
Owneraddre:	800 North French Street, Wilmington, DE 19801 US		
Grouttop:	2	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	19	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	4
Innercas01:	PVC	Site id:	DE1000000115588

H185
ENE **DE WELLS** **DE1000000115589**
1/4 - 1/2 Mile
Higher

Objectid:	115589		
Permitnumb:	89331		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920129000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19911202000000.000
Locreviewd:	19911202000000.000	Proposedco:	19911202000000.000
Permitappr:	19911202000000.000	Actualcons:	Not Reported
Completion:	19920129000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	19
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	143325		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	14		
Wellcontra:	A C Schultes Of Delaware		
Owner:	City of Wilmington		
Owneraddre:	800 North French Street, Wilmington, DE 19801 US		
Grouttop:	2	Groutbase:	3
Groutmater:	Bentonite	Graveltop:	3
Gravelbase:	19	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	4
Innercas01:	PVC	Site id:	DE1000000115589

H186
ENE **DE WELLS** **DE1000000115590**
1/4 - 1/2 Mile
Higher

Objectid:	115590		
Permitnumb:	89332		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19920128000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19911202000000.000
Locreviewd:	19911202000000.000	Proposedco:	19911202000000.000
Permitappr:	19911202000000.000	Actualcons:	Not Reported
Completion:	19920128000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	141790		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	14		
Wellcontra:	A C Schultes Of Delaware		
Owner:	City of Wilmington		
Owneraddre:	800 North French Street, Wilmington, DE 19801 US		
Grouttop:	2	Groutbase:	3
Groutmater:	Bentonite	Graveltop:	3
Gravelbase:	19	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000115590

H187
ENE **DE WELLS** **DE1000000125674**
1/4 - 1/2 Mile
Higher

Objectid:	125674		
Permitnumb:	72287		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	55
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126695		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125674

H188
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000125675**

Objectid:	125675		
Permitnumb:	72288		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	55
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	132352		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125675

H189
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000125676**

Objectid:	125676		
Permitnumb:	72289		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	55
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	132353		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125676

H190
ENE **DE WELLS** **DE1000000125673**
1/4 - 1/2 Mile
Higher

Objectid:	125673		
Permitnumb:	72286		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	132351		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125673

H191
ENE **DE WELLS** **DE1000000125670**
1/4 - 1/2 Mile
Higher

Objectid:	125670		
Permitnumb:	72283		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126693		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125670

H192
ENE **DE WELLS** **DE1000000125671**
1/4 - 1/2 Mile
Higher

Objectid:	125671		
Permitnumb:	72284		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126264		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125671

H193
ENE **DE WELLS** **DE1000000125672**
1/4 - 1/2 Mile
Higher

Objectid:	125672		
Permitnumb:	72285		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126694		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125672

H194
ENE **DE WELLS** **DE1000000125681**
1/4 - 1/2 Mile
Higher

Objectid:	125681		
Permitnumb:	72294		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	55
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126697		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125681

H195
ENE **DE WELLS** **DE1000000134215**
1/4 - 1/2 Mile
Higher

Objectid:	134215		
Permitnumb:	54224		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19830803000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19830705000000.000
Locreviewd:	19830705000000.000	Proposedco:	19830705000000.000
Permitappr:	19830705000000.000	Actualcons:	Not Reported
Completion:	19830803000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	25	Screenbase:	35
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	115226		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	3	Groutbase:	22
Groutmater:	Bentonite	Graveltop:	22
Gravelbase:	35	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	25
Innercas01:	PVC	Site id:	DE1000000134215

H196
ENE **DE WELLS** **DE1000000134222**
1/4 - 1/2 Mile
Higher

Objectid:	134222		
Permitnumb:	109471		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	58
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	46	Screenbase:	56
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	114171		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	39
Groutmater:	Bentonite	Graveltop:	41
Gravelbase:	58	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	46
Innercas01:	PVC	Site id:	DE1000000134222

H197
ENE **DE WELLS** **DE1000000125680**
1/4 - 1/2 Mile
Higher

Objectid:	125680		
Permitnumb:	72293		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	55
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	132354		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125680

H198
ENE **DE WELLS** **DE1000000125677**
1/4 - 1/2 Mile
Higher

Objectid:	125677		
Permitnumb:	72290		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	55
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126265		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125677

H199
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000125678**

Objectid:	125678		
Permitnumb:	72291		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	55
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126266		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125678

H200
ENE **DE WELLS** **DE1000000125679**
1/4 - 1/2 Mile
Higher

Objectid:	125679		
Permitnumb:	72292		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	55
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126696		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125679

H201
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000117101**

Objectid:	117101		
Permitnumb:	106910		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19960202000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	62
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960126000000.000
Locreviewd:	19960126000000.000	Proposedco:	19960126000000.000
Permitappr:	19960126000000.000	Actualcons:	Not Reported
Completion:	19960202000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	52	Screenbase:	62
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	109980		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	828		
Wellcontra:	Marcor Of Pennsylvania		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	49
Groutmater:	Bentonite	Graveltop:	49
Gravelbase:	62	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	52
Innercas01:	PVC	Site id:	DE1000000117101

H202
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000117139**

Objectid:	117139		
Permitnumb:	109467		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	28
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	16	Screenbase:	26
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114168		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	10
Groutmater:	Bentonite	Graveltop:	11
Gravelbase:	28	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	16
Innercas01:	PVC	Site id:	DE1000000117139

H203
ENE **DE WELLS** **DE1000000125662**
1/4 - 1/2 Mile
Higher

Objectid:	125662		
Permitnumb:	72275		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	85
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871203000000.000
Locreviewd:	19871203000000.000	Proposedco:	19871203000000.000
Permitappr:	19871203000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	132476		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125662

H204
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000117100**

Objectid:	117100		
Permitnumb:	106909		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	85
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960126000000.000
Locreviewd:	19960126000000.000	Proposedco:	19960126000000.000
Permitappr:	19960126000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	109979		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	828		
Wellcontra:	Marcor Of Pennsylvania		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000117100

H205
ENE **DE WELLS** **DE1000000117097**
1/4 - 1/2 Mile
Higher

Objectid:	117097		
Permitnumb:	106906		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19960209000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	138
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960126000000.000
Locreviewd:	19960126000000.000	Proposedco:	19960126000000.000
Permitappr:	19960126000000.000	Actualcons:	Not Reported
Completion:	19960209000000.000	Abandonrep:	20130124000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	124	Screenbase:	134
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	111583		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	1042		
Wellcontra:	Hillis-Carnes Engineering Associates Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	122
Groutmater:	Bentonite	Graveltop:	122
Gravelbase:	138	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	124
Innercas01:	PVC	Site id:	DE1000000117097

H206
ENE **DE WELLS** **DE1000000117098**
1/4 - 1/2 Mile
Higher

Objectid:	117098		
Permitnumb:	106907		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19960201000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	84
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960126000000.000
Locreviewd:	19960126000000.000	Proposedco:	19960126000000.000
Permitappr:	19960126000000.000	Actualcons:	Not Reported
Completion:	19960201000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	73	Screenbase:	84
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	109978		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	828		
Wellcontra:	Marcor Of Pennsylvania		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	71
Groutmater:	Bentonite	Graveltop:	71
Gravelbase:	84	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	73
Innercas01:	PVC	Site id:	DE1000000117098

H207
ENE **DE WELLS** **DE1000000117099**
1/4 - 1/2 Mile
Higher

Objectid:	117099		
Permitnumb:	106908		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19960131000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	45
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960126000000.000
Locreviewd:	19960126000000.000	Proposedco:	19960126000000.000
Permitappr:	19960126000000.000	Actualcons:	Not Reported
Completion:	19960131000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	35	Screenbase:	45
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	110882		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	828		
Wellcontra:	Marcor Of Pennsylvania		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	33.5
Groutmater:	Bentonite	Graveltop:	33.5
Gravelbase:	45	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	35
Innercas01:	PVC	Site id:	DE1000000117099

H208
ENE **DE WELLS** **DE1000000125667**
1/4 - 1/2 Mile
Higher

Objectid:	125667		
Permitnumb:	72280		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126263		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125667

H209
ENE **DE WELLS** **DE1000000125668**
1/4 - 1/2 Mile
Higher

Objectid:	125668		
Permitnumb:	72281		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	132478		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125668

H210
ENE **DE WELLS** **DE1000000125669**
1/4 - 1/2 Mile
Higher

Objectid:	125669		
Permitnumb:	72282		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126692		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125669

H211
ENE **DE WELLS** **DE1000000125666**
1/4 - 1/2 Mile
Higher

Objectid:	125666		
Permitnumb:	72279		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126262		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125666

H212
ENE **DE WELLS** **DE1000000125663**
1/4 - 1/2 Mile
Higher

Objectid:	125663		
Permitnumb:	72276		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	85
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126691		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125663

H213
ENE **DE WELLS** **DE1000000125664**
1/4 - 1/2 Mile
Higher

Objectid:	125664		
Permitnumb:	72277		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	85
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	132477		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125664

H214
ENE **DE WELLS** **DE1000000125665**
1/4 - 1/2 Mile
Higher

Objectid:	125665		
Permitnumb:	72278		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	85
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19871208000000.000
Locreviewd:	19871208000000.000	Proposedco:	19871208000000.000
Permitappr:	19871208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	126261		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Texaco Pipeline,		
Owneraddre:	River Road, Delaware City, DE 19706 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125665

H215
ENE **DE WELLS** **DE1000000111098**
1/4 - 1/2 Mile
Higher

Objectid:	111098		
Permitnumb:	63071		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851021000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	43
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851021000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	36.2000007629395	Screenbase:	41.2000007629395
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	121111		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	34
Groutmater:	Neat Cement	Graveltop:	34
Gravelbase:	43	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	36.2000007629395
Innercas01:	PVC	Site id:	DE1000000111098

H216
ENE **DE WELLS** **DE1000000111099**
1/4 - 1/2 Mile
Higher

Objectid:	111099		
Permitnumb:	63072		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851021000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	22.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851021000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	17.2999992370605	Screenbase:	22.2999992370605
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	117654		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	15
Groutmater:	Neat Cement	Graveltop:	15
Gravelbase:	22.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	17.2999992370605
Innercas01:	PVC	Site id:	DE1000000111099

H217
ENE **DE WELLS** **DE1000000111100**
1/4 - 1/2 Mile
Higher

Objectid:	111100		
Permitnumb:	63118		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851028000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	51
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851022000000.000
Locreviewd:	19851022000000.000	Proposedco:	19851022000000.000
Permitappr:	19851022000000.000	Actualcons:	Not Reported
Completion:	19851028000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	121122		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	51
Groutmater:	Neat Cement	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	48
Innercas01:	Other	Site id:	DE1000000111100

H218
ENE **DE WELLS** **DE1000000111097**
1/4 - 1/2 Mile
Higher

Objectid:	111097		
Permitnumb:	63070		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851018000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851018000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	9.39999961853027	Screenbase:	14.3999996185303
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	117653		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	7
Groutmater:	Neat Cement	Graveltop:	7
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	9.39999961853027
Innercas01:	PVC	Site id:	DE1000000111097

H219
ENE **DE WELLS** **DE1000000111094**
1/4 - 1/2 Mile
Higher

Objectid:	111094		
Permitnumb:	63067		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851017000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851017000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	14.1000003814697	Screenbase:	19.1000003814697
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	121110		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	12
Groutmater:	Neat Cement	Graveltop:	12
Gravelbase:	25	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	14.1000003814697
Innercas01:	PVC	Site id:	DE1000000111094

H220
ENE **DE WELLS** **DE1000000111095**
1/4 - 1/2 Mile
Higher

Objectid:	111095		
Permitnumb:	63068		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851018000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851018000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	4.09999990463257	Screenbase:	9.10000038146973
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	117651		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	2
Groutmater:	Neat Cement	Graveltop:	2
Gravelbase:	10	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	4.09999990463257
Innercas01:	PVC	Site id:	DE1000000111095

H221
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000111096**

Objectid:	111096		
Permitnumb:	63069		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851018000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	27
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851018000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	20.3999996185303	Screenbase:	25.3999996185303
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	117652		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	18
Groutmater:	Neat Cement	Graveltop:	18
Gravelbase:	27	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	20.3999996185303
Innercas01:	PVC	Site id:	DE1000000111096

H222
ENE **DE WELLS** **DE1000000111105**
1/4 - 1/2 Mile
Higher

Objectid:	111105		
Permitnumb:	63151		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851022000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	46
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851025000000.000
Locreviewd:	19851025000000.000	Proposedco:	19851025000000.000
Permitappr:	19851025000000.000	Actualcons:	Not Reported
Completion:	19851022000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	39.2000007629395	Screenbase:	44.2000007629395
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	124067		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	37
Groutmater:	Neat Cement	Graveltop:	37
Gravelbase:	46	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	39.2000007629395
Innercas01:	PVC	Site id:	DE1000000111105

H223
ENE **DE WELLS** **DE1000000111106**
1/4 - 1/2 Mile
Higher

Objectid:	111106		
Permitnumb:	63152		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851022000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851025000000.000
Locreviewd:	19851025000000.000	Proposedco:	19851025000000.000
Permitappr:	19851025000000.000	Actualcons:	Not Reported
Completion:	19851022000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	18.3999996185303	Screenbase:	23.3999996185303
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	121127		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	16
Groutmater:	Neat Cement	Graveltop:	16
Gravelbase:	25	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	18.3999996185303
Innercas01:	PVC	Site id:	DE1000000111106

H224
ENE **DE WELLS** **DE1000000111107**
1/4 - 1/2 Mile
Higher

Objectid:	111107		
Permitnumb:	63153		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851023000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	43
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851025000000.000
Locreviewd:	19851025000000.000	Proposedco:	19851025000000.000
Permitappr:	19851025000000.000	Actualcons:	Not Reported
Completion:	19851023000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	36.5999984741211	Screenbase:	41.5999984741211
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	121128		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	34
Groutmater:	Neat Cement	Graveltop:	34
Gravelbase:	43	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	36.5999984741211
Innercas01:	PVC	Site id:	DE1000000111107

H225
ENE **DE WELLS** **DE1000000111104**
1/4 - 1/2 Mile
Higher

Objectid:	111104		
Permitnumb:	63122		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851028000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	86
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851022000000.000
Locreviewd:	19851022000000.000	Proposedco:	19851022000000.000
Permitappr:	19851022000000.000	Actualcons:	Not Reported
Completion:	19851028000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	119291		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	86
Groutmater:	Neat Cement	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	86
Innercas01:	Other	Site id:	DE1000000111104

H226
ENE **DE WELLS** **DE1000000111101**
1/4 - 1/2 Mile
Higher

Objectid:	111101		
Permitnumb:	63119		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851029000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	55
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851022000000.000
Locreviewd:	19851022000000.000	Proposedco:	19851022000000.000
Permitappr:	19851022000000.000	Actualcons:	Not Reported
Completion:	19851029000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	124056		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	55
Groutmater:	Neat Cement	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	53
Innercas01:	Other	Site id:	DE1000000111101

H227
ENE **DE WELLS** **DE1000000111102**
1/4 - 1/2 Mile
Higher

Objectid:	111102		
Permitnumb:	63120		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851030000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	50
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851022000000.000
Locreviewd:	19851022000000.000	Proposedco:	19851022000000.000
Permitappr:	19851022000000.000	Actualcons:	Not Reported
Completion:	19851030000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	121123		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	50
Groutmater:	Neat Cement	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	48
Innercas01:	Other	Site id:	DE1000000111102

H228
ENE **DE WELLS** **DE1000000111103**
1/4 - 1/2 Mile
Higher

Objectid:	111103		
Permitnumb:	63121		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851031000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	50
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851022000000.000
Locreviewd:	19851022000000.000	Proposedco:	19851022000000.000
Permitappr:	19851022000000.000	Actualcons:	Not Reported
Completion:	19851031000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	117661		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	50
Groutmater:	Neat Cement	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	46.5
Innercas01:	Other	Site id:	DE1000000111103

H229
ENE **DE WELLS** **DE1000000111084**
1/4 - 1/2 Mile
Higher

Objectid:	111084		
Permitnumb:	63057		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851025000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	14
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851025000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	PVC	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	119276		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	9
Groutmater:	Neat Cement	Graveltop:	9
Gravelbase:	14	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	11
Innercas01:	PVC	Site id:	DE1000000111084

H230
ENE **DE WELLS** **DE1000000111085**
1/4 - 1/2 Mile
Higher

Objectid:	111085		
Permitnumb:	63058		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851025000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	26
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851025000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	22.6000003814697	Screenbase:	24.6000003814697
Screenmate:	PVC	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	123332		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	20.5
Groutmater:	Neat Cement	Graveltop:	20.5
Gravelbase:	26	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	22.6000003814697
Innercas01:	PVC	Site id:	DE1000000111085

H231
ENE **DE WELLS** **DE1000000111086**
1/4 - 1/2 Mile
Higher

Objectid:	111086		
Permitnumb:	63059		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851028000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851028000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	9.80000019073486	Screenbase:	11.8000001907349
Screenmate:	PVC	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	123333		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	8
Groutmater:	Neat Cement	Graveltop:	8
Gravelbase:	13	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	9.80000019073486
Innercas01:	PVC	Site id:	DE1000000111086

H232
ENE **DE WELLS** **DE1000000111083**
1/4 - 1/2 Mile
Higher

Objectid:	111083		
Permitnumb:	63056		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851024000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	28
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851024000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	23.8999996185303	Screenbase:	25.8999996185303
Screenmate:	PVC	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	121108		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	22
Groutmater:	Neat Cement	Graveltop:	22
Gravelbase:	28	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	23.8999996185303
Innercas01:	PVC	Site id:	DE1000000111083

H233
ENE **DE WELLS** **DE1000000111080**
1/4 - 1/2 Mile
Higher

Objectid:	111080		
Permitnumb:	63053		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851028000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	32
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851028000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	27.2999992370605	Screenbase:	29.2999992370605
Screenmate:	PVC	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	123330		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	25
Groutmater:	Neat Cement	Graveltop:	25
Gravelbase:	32	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	27.2999992370605
Innercas01:	PVC	Site id:	DE1000000111080

H234
ENE **DE WELLS** **DE1000000111081**
1/4 - 1/2 Mile
Higher

Objectid:	111081		
Permitnumb:	63054		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851028000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	22
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851028000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	18	Screenbase:	20
Screenmate:	PVC	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	119275		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	16
Groutmater:	Neat Cement	Graveltop:	16
Gravelbase:	22	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	18
Innercas01:	PVC	Site id:	DE1000000111081

H235
ENE **DE WELLS** **DE1000000111082**
1/4 - 1/2 Mile
Higher

Objectid:	111082		
Permitnumb:	63055		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851029000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	12
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851029000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	8	Screenbase:	10
Screenmate:	PVC	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	123331		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	6
Groutmater:	Neat Cement	Graveltop:	6
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	8
Innercas01:	PVC	Site id:	DE1000000111082

H236
ENE **DE WELLS** **DE1000000111091**
1/4 - 1/2 Mile
Higher

Objectid:	111091		
Permitnumb:	63064		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851029000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	16
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851029000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	9.19999980926514	Screenbase:	14.1999998092651
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	121109		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	7
Groutmater:	Neat Cement	Graveltop:	7
Gravelbase:	16	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	9.19999980926514
Innercas01:	PVC	Site id:	DE1000000111091

H237
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000111092**

Objectid:	111092		
Permitnumb:	63065		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851017000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851017000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	18	Screenbase:	23
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	117650		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	16
Groutmater:	Neat Cement	Graveltop:	16
Gravelbase:	25	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	18
Innercas01:	PVC	Site id:	DE1000000111092

H238
ENE **DE WELLS** **DE1000000111093**
1/4 - 1/2 Mile
Higher

Objectid:	111093		
Permitnumb:	63066		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851017000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	12.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851017000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	6.90000009536743	Screenbase:	11.8999996185303
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	119278		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Neat Cement	Graveltop:	5
Gravelbase:	12.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	6.90000009536743
Innercas01:	PVC	Site id:	DE1000000111093

H239
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000111090**

Objectid:	111090		
Permitnumb:	63063		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851029000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	30
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851029000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	23.2999992370605	Screenbase:	28.2999992370605
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	117649		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	21
Groutmater:	Neat Cement	Graveltop:	21
Gravelbase:	30	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	23.2999992370605
Innercas01:	PVC	Site id:	DE1000000111090

H240
ENE **DE WELLS** **DE1000000111087**
1/4 - 1/2 Mile
Higher

Objectid:	111087		
Permitnumb:	63060		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851024000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	30
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851024000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	26	Screenbase:	28
Screenmate:	PVC	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	119277		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	24
Groutmater:	Neat Cement	Graveltop:	24
Gravelbase:	30	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	26
Innercas01:	PVC	Site id:	DE1000000111087

H241
ENE **DE WELLS** **DE1000000111088**
1/4 - 1/2 Mile
Higher

Objectid:	111088		
Permitnumb:	63061		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851021000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	31
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851021000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	23.6000003814697	Screenbase:	28.6000003814697
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	117648		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	21
Groutmater:	Neat Cement	Graveltop:	21
Gravelbase:	31	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	23.6000003814697
Innercas01:	PVC	Site id:	DE1000000111088

H242
ENE **DE WELLS** **DE1000000111089**
1/4 - 1/2 Mile
Higher

Objectid:	111089		
Permitnumb:	63062		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851022000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	16
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851016000000.000
Locreviewd:	19851016000000.000	Proposedco:	19851016000000.000
Permitappr:	19851016000000.000	Actualcons:	Not Reported
Completion:	19851022000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	10.3999996185303	Screenbase:	15.3999996185303
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	123334		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	8
Groutmater:	Neat Cement	Graveltop:	8
Gravelbase:	16	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	10.3999996185303
Innercas01:	PVC	Site id:	DE1000000111089

H243
ENE **DE WELLS** **DE1000000114489**
1/4 - 1/2 Mile
Higher

Objectid:	114489		
Permitnumb:	84418		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19900926000000.000
Proposeddr:	Air Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	31.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19900926000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28	Screenbase:	30
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	138666		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	27
Groutmater:	Bentonite	Graveltop:	27
Gravelbase:	31.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000114489

H244
ENE **DE WELLS** **DE1000000114490**
1/4 - 1/2 Mile
Higher

Objectid:	114490		
Permitnumb:	84419		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19900926000000.000
Proposeddr:	Air Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	17.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19900926000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	14	Screenbase:	16
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	142318		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	13
Groutmater:	Bentonite	Graveltop:	13
Gravelbase:	17.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000114490

H245
ENE **DE WELLS** **DE1000000114491**
1/4 - 1/2 Mile
Higher

Objectid:	114491		
Permitnumb:	84420		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19901001000000.000
Proposeddr:	Air Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	34
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19901001000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	31	Screenbase:	33
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	138873		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	30
Groutmater:	Bentonite	Graveltop:	30
Gravelbase:	34	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000114491

H246
ENE **DE WELLS** **DE1000000114488**
1/4 - 1/2 Mile
Higher

Objectid:	114488		
Permitnumb:	84417		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	43
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	142317		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000114488

H247
ENE **DE WELLS** **DE1000000114485**
1/4 - 1/2 Mile
Higher

Objectid:	114485		
Permitnumb:	84414		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19900927000000.000
Proposeddr:	Air Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	33.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19900927000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	30	Screenbase:	32
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	142316		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	29
Groutmater:	Bentonite	Graveltop:	29
Gravelbase:	33.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000114485

H248
ENE **DE WELLS** **DE1000000114486**
1/4 - 1/2 Mile
Higher

Objectid:	114486		
Permitnumb:	84415		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19900927000000.000
Proposeddr:	Air Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19900927000000.000	Abandonrep:	20110809000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	17	Screenbase:	19
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	138665		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5378		
Wellcontra:	Summit Site Services Inc		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	16
Groutmater:	Bentonite	Graveltop:	16
Gravelbase:	20	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000114486

H249
ENE **DE WELLS** **DE1000000114487**
1/4 - 1/2 Mile
Higher

Objectid:	114487		
Permitnumb:	84416		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	43
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	138872		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000114487

H250
ENE **DE WELLS** **DE1000000114496**
1/4 - 1/2 Mile
Higher

Objectid:	114496		
Permitnumb:	84425		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	65
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	138875		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000114496

H251
ENE **DE WELLS** **DE1000000114497**
1/4 - 1/2 Mile
Higher

Objectid:	114497		
Permitnumb:	84426		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19901009000000.000
Proposeddr:	Air Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	66.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19901009000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	142320		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	66.5
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000114497

H252
ENE **DE WELLS** **DE1000000114498**
1/4 - 1/2 Mile
Higher

Objectid:	114498		
Permitnumb:	84427		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19901003000000.000
Proposeddr:	Air Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	71
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19901003000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	138876		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	71
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000114498

H253
ENE **DE WELLS** **DE1000000114495**
1/4 - 1/2 Mile
Higher

Objectid:	114495		
Permitnumb:	84424		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19901010000000.000
Proposeddr:	Air Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	65
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19901010000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	138874		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	65
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000114495

H254
ENE **DE WELLS** **DE1000000114492**
1/4 - 1/2 Mile
Higher

Objectid:	114492		
Permitnumb:	84421		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19901010000000.000
Proposeddr:	Air Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	44
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19901010000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	139856		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	40
Groutmater:	Bentonite	Graveltop:	40
Gravelbase:	44	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000114492

H255
ENE **DE WELLS** **DE1000000114493**
1/4 - 1/2 Mile
Higher

Objectid:	114493		
Permitnumb:	84422		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19900928000000.000
Proposeddr:	Air Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	11
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19900928000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	9
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	142319		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	6
Groutmater:	Bentonite	Graveltop:	6
Gravelbase:	11	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000114493

H256
ENE **DE WELLS** **DE1000000114494**
1/4 - 1/2 Mile
Higher

Objectid:	114494		
Permitnumb:	84423		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19901001000000.000
Proposeddr:	Air Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	38
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900919000000.000
Locreviewd:	19900919000000.000	Proposedco:	19900919000000.000
Permitappr:	19900919000000.000	Actualcons:	Not Reported
Completion:	19901001000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	35	Screenbase:	37
Screenmate:	PVC	Minwelldia:	.699999988079071
Maxwelldia:	.699999988079071		
Locid:	139857		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	34
Groutmater:	Bentonite	Graveltop:	34
Gravelbase:	38	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000114494

H257
ENE **DE WELLS** **DE1000000112385**
1/4 - 1/2 Mile
Higher

Objectid:	112385		
Permitnumb:	72788		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880210000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	32
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880126000000.000
Locreviewd:	19880126000000.000	Proposedco:	19880126000000.000
Permitappr:	19880126000000.000	Actualcons:	Not Reported
Completion:	19880210000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	27	Screenbase:	32
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	133612		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wilmington,		
Owneraddre:	PO Box 1097, C/O Walton Corporation, Newark, DE 19715 US		
Grouttop:	0	Groutbase:	26
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	26	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	27
Innercas01:	PVC	Site id:	DE1000000112385

H258
ENE **DE WELLS** **DE1000000112386**
1/4 - 1/2 Mile
Higher

Objectid:	112386		
Permitnumb:	72789		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880211000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	17
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880126000000.000
Locreviewd:	19880126000000.000	Proposedco:	19880126000000.000
Permitappr:	19880126000000.000	Actualcons:	Not Reported
Completion:	19880211000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	15
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	129146		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wilmington,		
Owneraddre:	PO Box 1097, C/O Walton Corporation, Newark, DE 19715 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	5
Innercas01:	PVC	Site id:	DE1000000112386

H259
ENE **DE WELLS** **DE1000000112387**
1/4 - 1/2 Mile
Higher

Objectid:	112387		
Permitnumb:	72790		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880211000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880126000000.000
Locreviewd:	19880126000000.000	Proposedco:	19880126000000.000
Permitappr:	19880126000000.000	Actualcons:	Not Reported
Completion:	19880211000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	15
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	128701		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wilmington,		
Owneraddre:	PO Box 1097, C/O Walton Corporation, Newark, DE 19715 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Neat Cement	Graveltop:	3
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	5
Innercas01:	PVC	Site id:	DE1000000112387

H260
ENE **DE WELLS** **DE1000000112384**
1/4 - 1/2 Mile
Higher

Objectid:	112384		
Permitnumb:	72787		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880210000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	18
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880126000000.000
Locreviewd:	19880126000000.000	Proposedco:	19880126000000.000
Permitappr:	19880126000000.000	Actualcons:	Not Reported
Completion:	19880210000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	6	Screenbase:	16
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	133611		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wilmington,		
Owneraddre:	PO Box 1097, C/O Walton Corporation, Newark, DE 19715 US		
Grouttop:	0	Groutbase:	4
Groutmater:	Neat Cement	Graveltop:	4
Gravelbase:	16	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	6
Innercas01:	PVC	Site id:	DE1000000112384

H261 **DE WELLS** **DE1000000111108**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	111108		
Permitnumb:	63154		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851023000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	23
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851025000000.000
Locreviewd:	19851025000000.000	Proposedco:	19851025000000.000
Permitappr:	19851025000000.000	Actualcons:	Not Reported
Completion:	19851023000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	16.2999992370605	Screenbase:	21.2999992370605
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	124068		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	14
Groutmater:	Neat Cement	Graveltop:	14
Gravelbase:	23	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	16.2999992370605
Innercas01:	PVC	Site id:	DE1000000111108

H262 **DE WELLS** **DE1000000111109**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	111109		
Permitnumb:	63155		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19851016000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	30
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19851025000000.000
Locreviewd:	19851025000000.000	Proposedco:	19851025000000.000
Permitappr:	19851025000000.000	Actualcons:	Not Reported
Completion:	19851016000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	23.2999992370605	Screenbase:	28.2999992370605
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	121129		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	21
Groutmater:	Neat Cement	Graveltop:	21
Gravelbase:	30	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	23.2999992370605
Innercas01:	PVC	Site id:	DE1000000111109

H263 **DE WELLS** **DE1000000112212**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	112212		
Permitnumb:	71338		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19870924000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	33.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19870923000000.000
Locreviewd:	19870923000000.000	Proposedco:	19870923000000.000
Permitappr:	19870923000000.000	Actualcons:	Not Reported
Completion:	19870924000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28.5	Screenbase:	33.5
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	127794		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont,		
Owneraddre:	1007 Market Street, Wilmington, DE 19898 US		
Grouttop:	0	Groutbase:	25
Groutmater:	Neat Cement	Graveltop:	25
Gravelbase:	33.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	28.5
Innercas01:	PVC	Site id:	DE1000000112212

H264
ENE **DE WELLS** **DE1000000114461**
1/4 - 1/2 Mile
Higher

Objectid:	114461		
Permitnumb:	84196		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19900907000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	16
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900907000000.000
Locreviewd:	19510101000000.000	Proposedco:	19900907000000.000
Permitappr:	19900907000000.000	Actualcons:	Not Reported
Completion:	19900907000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	142242		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	12
Groutmater:	Bentonite	Graveltop:	12
Gravelbase:	16	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000114461

H265
ENE **DE WELLS** **DE1000000114462**
1/4 - 1/2 Mile
Higher

Objectid:	114462		
Permitnumb:	84197		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19900910000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	24.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900830000000.000
Locreviewd:	19900830000000.000	Proposedco:	19900830000000.000
Permitappr:	19900830000000.000	Actualcons:	Not Reported
Completion:	19900910000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	137744		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	20.5
Groutmater:	Bentonite	Graveltop:	20.5
Gravelbase:	24.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000114462

H266
ENE **DE WELLS** **DE1000000114469**
1/4 - 1/2 Mile
Higher

Objectid:	114469		
Permitnumb:	84222		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19900905000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	23
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900830000000.000
Locreviewd:	19900830000000.000	Proposedco:	19900830000000.000
Permitappr:	19900830000000.000	Actualcons:	Not Reported
Completion:	19900905000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	137748		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	20
Groutmater:	Bentonite	Graveltop:	20
Gravelbase:	25	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000114469

H267
ENE **DE WELLS** **DE1000000114460**
1/4 - 1/2 Mile
Higher

Objectid:	114460		
Permitnumb:	84195		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19900910000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	14
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19900910000000.000
Locreviewd:	19510101000000.000	Proposedco:	19900910000000.000
Permitappr:	19900910000000.000	Actualcons:	Not Reported
Completion:	19900910000000.000	Abandonrep:	20110809000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	138551		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5378		
Wellcontra:	Summit Site Services Inc		
Owner:	Delaware Solid,		
Owneraddre:	1101 Lambsons Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	10
Groutmater:	Bentonite	Graveltop:	10
Gravelbase:	14	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000114460

H268
ENE **DE WELLS** **DE1000000113604**
1/4 - 1/2 Mile
Higher

Objectid:	113604		
Permitnumb:	80337		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890928000000.000
Locreviewd:	19890928000000.000	Proposedco:	19890928000000.000
Permitappr:	19890928000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	136010		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wallace Constru,		
Owneraddre:	360 Laned Street Road, Orlando, FL 32824 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000113604

H269
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000113605**

Objectid:	113605		
Permitnumb:	80338		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890928000000.000
Locreviewd:	19890928000000.000	Proposedco:	19890928000000.000
Permitappr:	19890928000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	134121		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wallace Constru,		
Owneraddre:	360 Laned Street Road, Orlando, FL 32824 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000113605

H270
ENE **DE WELLS** **DE1000000113660**
1/4 - 1/2 Mile
Higher

Objectid:	113660		
Permitnumb:	80640		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19891104000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	47.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19891019000000.000
Locreviewd:	19891019000000.000	Proposedco:	19891019000000.000
Permitappr:	19891019000000.000	Actualcons:	Not Reported
Completion:	19891104000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	37.5	Screenbase:	47.5
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	136023		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delmarva Power		
Owneraddre:	800 King Street, PO Box, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	35
Groutmater:	Bentonite	Graveltop:	35
Gravelbase:	47.5	Gravelmate:	Gravel

Innercasin:	3	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000113660

H271
ENE **DE WELLS** **DE1000000100340**
1/4 - 1/2 Mile
Higher

Objectid:	100340		
Permitnumb:	97335		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	110
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146798		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100340

H272
ENE **DE WELLS** **DE1000000100339**
1/4 - 1/2 Mile
Higher

Objectid:	100339		
Permitnumb:	97334		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	110
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147127		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100339

H273
ENE **DE WELLS** **DE1000000100342**
1/4 - 1/2 Mile
Higher

Objectid:	100342		
Permitnumb:	97337		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	110
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	149188		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100342

H274
ENE **DE WELLS** **DE1000000100341**
1/4 - 1/2 Mile
Higher

Objectid:	100341		
Permitnumb:	97336		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	110
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146572		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100341

H275
ENE **DE WELLS** **DE1000000100338**
1/4 - 1/2 Mile
Higher

Objectid:	100338		
Permitnumb:	97333		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	110
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147126		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100338

H276
ENE **DE WELLS** **DE1000000100335**
1/4 - 1/2 Mile
Higher

Objectid:	100335		
Permitnumb:	97322		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	42
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147122		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100335

H277
ENE **DE WELLS** **DE1000000100334**
1/4 - 1/2 Mile
Higher

Objectid:	100334		
Permitnumb:	97321		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	42
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146569		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100334

H278
ENE **DE WELLS** **DE1000000100337**
1/4 - 1/2 Mile
Higher

Objectid:	100337		
Permitnumb:	97332		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	110
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147125		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100337

H279
ENE **DE WELLS** **DE1000000100336**
1/4 - 1/2 Mile
Higher

Objectid:	100336		
Permitnumb:	97323		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	42
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147123		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100336

H280
ENE **DE WELLS** **DE1000000100343**
1/4 - 1/2 Mile
Higher

Objectid:	100343		
Permitnumb:	97338		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	110
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146799		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100343

H281
ENE **DE WELLS** **DE1000000100350**
1/4 - 1/2 Mile
Higher

Objectid:	100350		
Permitnumb:	97345		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	41
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146801		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100350

H282
ENE **DE WELLS** **DE1000000100349**
1/4 - 1/2 Mile
Higher

Objectid:	100349		
Permitnumb:	97344		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	41
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147130		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100349

H283
ENE **DE WELLS** **DE1000000100352**
1/4 - 1/2 Mile
Higher

Objectid:	100352		
Permitnumb:	97348		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	76
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146576		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100352

H284
ENE **DE WELLS** **DE1000000100351**
1/4 - 1/2 Mile
Higher

Objectid:	100351		
Permitnumb:	97346		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	41
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146575		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100351

H285
ENE **DE WELLS** **DE1000000100348**
1/4 - 1/2 Mile
Higher

Objectid:	100348		
Permitnumb:	97343		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	41
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147129		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100348

H286
ENE **DE WELLS** **DE1000000100345**
1/4 - 1/2 Mile
Higher

Objectid:	100345		
Permitnumb:	97340		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	41
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146573		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100345

H287
ENE **DE WELLS** **DE1000000100344**
1/4 - 1/2 Mile
Higher

Objectid:	100344		
Permitnumb:	97339		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	110
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146800		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100344

H288
ENE **DE WELLS** **DE1000000100347**
1/4 - 1/2 Mile
Higher

Objectid:	100347		
Permitnumb:	97342		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	41
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147128		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100347

H289
ENE **DE WELLS** **DE1000000100346**
1/4 - 1/2 Mile
Higher

Objectid:	100346		
Permitnumb:	97341		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	41
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146574		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100346

H290
ENE **DE WELLS** **DE1000000012710**
1/4 - 1/2 Mile
Higher

Objectid:	12710		
Permitnumb:	61015		
Localwelli:	Not Reported	Welltype:	Dewater - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	100		
Estdailyus:	144000		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850408000000.000
Locreviewd:	19850408000000.000	Proposedco:	19850408000000.000
Permitappr:	19850408000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	117325		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	417		
Wellcontra:	Griffin Dewatering Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000012710

H291
ENE **DE WELLS** **DE1000000012709**
1/4 - 1/2 Mile
Higher

Objectid:	12709		
Permitnumb:	61014		
Localwelli:	Not Reported	Welltype:	Dewater - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	100		
Estdailyus:	144000		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850408000000.000
Locreviewd:	19850408000000.000	Proposedco:	19850408000000.000
Permitappr:	19850408000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	119742		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	417		
Wellcontra:	Griffin Dewatering Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000012709

H292
ENE **DE WELLS** **DE1000000099095**
1/4 - 1/2 Mile
Higher

Objectid:	99095		
Permitnumb:	93082		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921125000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19921028000000.000
Locreviewd:	19921028000000.000	Proposedco:	19921028000000.000
Permitappr:	19921028000000.000	Actualcons:	Not Reported
Completion:	19921125000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	144228		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Greggo & Ferrara, Inc		
Owneraddre:	4048 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	11
Innercas01:	Steel	Site id:	DE1000000099095

H293
ENE **DE WELLS** **DE1000000098853**
1/4 - 1/2 Mile
Higher

Objectid:	98853		
Permitnumb:	19532		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	50
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114107		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000098853

H294
ENE **DE WELLS** **DE1000000012708**
1/4 - 1/2 Mile
Higher

Objectid:	12708		
Permitnumb:	61013		
Localwelli:	Not Reported	Welltype:	Dewater - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	100		
Estdailyus:	144000		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850408000000.000
Locreviewd:	19850408000000.000	Proposedco:	19850408000000.000
Permitappr:	19850408000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	117324		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	417		
Wellcontra:	Griffin Dewatering Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000012708

H295
ENE **DE WELLS** **DE1000000012705**
1/4 - 1/2 Mile
Higher

Objectid:	12705		
Permitnumb:	61010		
Localwelli:	Not Reported	Welltype:	Dewater - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	100		
Estdailyus:	144000		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850408000000.000
Locreviewd:	19850408000000.000	Proposedco:	19850408000000.000
Permitappr:	19850408000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	117825		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	417		
Wellcontra:	Griffin Dewatering Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000012705

H296
ENE **DE WELLS** **DE1000000012704**
1/4 - 1/2 Mile
Higher

Objectid:	12704		
Permitnumb:	61009		
Localwelli:	Not Reported	Welltype:	Dewater - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	100		
Estdailyus:	144000		
Requiresal:	NO	Estconstru:	19850415000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850408000000.000
Locreviewd:	19850408000000.000	Proposedco:	19850408000000.000
Permitappr:	19850408000000.000	Actualcons:	Not Reported
Completion:	19850415000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	117323		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	417		
Wellcontra:	Griffin Dewatering Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	10
Groutmater:	Bentonite	Graveltop:	10
Gravelbase:	35	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000012704

H297
ENE **DE WELLS** **DE1000000012707**
1/4 - 1/2 Mile
Higher

Objectid:	12707		
Permitnumb:	61012		
Localwelli:	Not Reported	Welltype:	Dewater - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	100		
Estdailyus:	144000		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850408000000.000
Locreviewd:	19850408000000.000	Proposedco:	19850408000000.000
Permitappr:	19850408000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	122788		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	417		
Wellcontra:	Griffin Dewatering Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000012707

H298
ENE **DE WELLS** **DE1000000012706**
1/4 - 1/2 Mile
Higher

Objectid:	12706		
Permitnumb:	61011		
Localwelli:	Not Reported	Welltype:	Dewater - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	100		
Estdailyus:	144000		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	35
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19850408000000.000
Locreviewd:	19850408000000.000	Proposedco:	19850408000000.000
Permitappr:	19850408000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	117826		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	417		
Wellcontra:	Griffin Dewatering Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000012706

H299
ENE **DE WELLS** **DE1000000099096**
1/4 - 1/2 Mile
Higher

Objectid:	99096		
Permitnumb:	93083		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921125000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19921028000000.000
Locreviewd:	19921028000000.000	Proposedco:	19921028000000.000
Permitappr:	19921028000000.000	Actualcons:	Not Reported
Completion:	19921125000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	144229		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Greggo & Ferrara, Inc		
Owneraddre:	4048 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	11
Innercas01:	Steel	Site id:	DE1000000099096

H300
ENE **DE WELLS** **DE1000000100331**
1/4 - 1/2 Mile
Higher

Objectid:	100331		
Permitnumb:	97318		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	42
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147120		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100331

H301
ENE **DE WELLS** **DE1000000100330**
1/4 - 1/2 Mile
Higher

Objectid:	100330		
Permitnumb:	97317		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	42
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146567		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100330

H302
ENE **DE WELLS** **DE1000000100333**
1/4 - 1/2 Mile
Higher

Objectid:	100333		
Permitnumb:	97320		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	42
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146568		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100333

H303
ENE **DE WELLS** **DE1000000100332**
1/4 - 1/2 Mile
Higher

Objectid:	100332		
Permitnumb:	97319		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	42
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147121		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100332

H304
ENE **DE WELLS** **DE1000000099101**
1/4 - 1/2 Mile
Higher

Objectid:	99101		
Permitnumb:	93088		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921125000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19921028000000.000
Locreviewd:	19921028000000.000	Proposedco:	19921028000000.000
Permitappr:	19921028000000.000	Actualcons:	Not Reported
Completion:	19921125000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	147914		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Greggo & Ferrara, Inc		
Owneraddre:	4048 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	11
Innercas01:	Steel	Site id:	DE1000000099101

H305
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000099098**

Objectid:	99098		
Permitnumb:	93085		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921125000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19921028000000.000
Locreviewd:	19921028000000.000	Proposedco:	19921028000000.000
Permitappr:	19921028000000.000	Actualcons:	Not Reported
Completion:	19921125000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	144231		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Greggo & Ferrara, Inc		
Owneraddre:	4048 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	11
Innercas01:	Steel	Site id:	DE1000000099098

H306
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000099097**

Objectid:	99097		
Permitnumb:	93084		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921125000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19921028000000.000
Locreviewd:	19921028000000.000	Proposedco:	19921028000000.000
Permitappr:	19921028000000.000	Actualcons:	Not Reported
Completion:	19921125000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	144230		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Greggo & Ferrara, Inc		
Owneraddre:	4048 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	11
Innercas01:	Steel	Site id:	DE1000000099097

H307
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000099100**

Objectid:	99100		
Permitnumb:	93087		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921125000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19921028000000.000
Locreviewd:	19921028000000.000	Proposedco:	19921028000000.000
Permitappr:	19921028000000.000	Actualcons:	Not Reported
Completion:	19921125000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	143792		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Greggo & Ferrara, Inc		
Owneraddre:	4048 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	11
Innercas01:	Steel	Site id:	DE1000000099100

H308
ENE **DE WELLS** **DE1000000099099**
1/4 - 1/2 Mile
Higher

Objectid:	99099		
Permitnumb:	93086		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921125000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19921028000000.000
Locreviewd:	19921028000000.000	Proposedco:	19921028000000.000
Permitappr:	19921028000000.000	Actualcons:	Not Reported
Completion:	19921125000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	13
Screenmate:	Steel	Minwelldia:	1.20000004768372
Maxwelldia:	1.20000004768372		
Locid:	147913		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Greggo & Ferrara, Inc		
Owneraddre:	4048 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	11
Innercas01:	Steel	Site id:	DE1000000099099

H309 **DE WELLS** **DE1000000100353**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	100353		
Permitnumb:	97349		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	76
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146802		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100353

H310
ENE **DE WELLS** **DE1000000103276**
1/4 - 1/2 Mile
Higher

Objectid:	103276		
Permitnumb:	109442		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	36
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	24	Screenbase:	34
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114163		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	17
Groutmater:	Bentonite	Graveltop:	19
Gravelbase:	36	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	24
Innercas01:	PVC	Site id:	DE1000000103276

H311
ENE **DE WELLS** **DE1000000103275**
1/4 - 1/2 Mile
Higher

Objectid:	103275		
Permitnumb:	109441		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	23
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	12	Screenbase:	22
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114162		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	6
Groutmater:	Bentonite	Graveltop:	7
Gravelbase:	23	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	12
Innercas01:	PVC	Site id:	DE1000000103275

H312
ENE **DE WELLS** **DE1000000103278**
1/4 - 1/2 Mile
Higher

Objectid:	103278		
Permitnumb:	109444		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	13	Screenbase:	23
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114047		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	7
Groutmater:	Bentonite	Graveltop:	8
Gravelbase:	25	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	13
Innercas01:	PVC	Site id:	DE1000000103278

H313
ENE **DE WELLS** **DE1000000103277**
1/4 - 1/2 Mile
Higher

Objectid:	103277		
Permitnumb:	109443		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	40
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28	Screenbase:	38
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114046		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	21
Groutmater:	Bentonite	Graveltop:	23
Gravelbase:	40	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	28
Innercas01:	PVC	Site id:	DE1000000103277

H314
ENE **DE WELLS** **DE1000000103274**
1/4 - 1/2 Mile
Higher

Objectid:	103274		
Permitnumb:	109440		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	45
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	33	Screenbase:	43
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114161		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	30
Groutmater:	Bentonite	Graveltop:	32
Gravelbase:	45	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	33
Innercas01:	PVC	Site id:	DE1000000103274

H315
ENE **DE WELLS** **DE1000000102568**
1/4 - 1/2 Mile
Higher

Objectid:	102568		
Permitnumb:	106320		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19951107000000.000
Locreviewd:	19951107000000.000	Proposedco:	19951107000000.000
Permitappr:	19951107000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112178		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Pure Green Indu,		
Owneraddre:	Marsh Road, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000102568

H316
ENE **DE WELLS** **DE1000000102567**
1/4 - 1/2 Mile
Higher

Objectid:	102567		
Permitnumb:	106319		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19970425000000.000
Proposeddr:	Other	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Marsh Rd	Apprecdate:	19951107000000.000
Locreviewd:	19951107000000.000	Proposedco:	19951107000000.000
Permitappr:	19951107000000.000	Actualcons:	Not Reported
Completion:	19970425000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	15
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	110804		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Pure Green Indu,		
Owneraddre:	Marsh Road, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	4
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	5
Innercas01:	PVC	Site id:	DE1000000102567

H317 **DE WELLS** **DE1000000102683**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	102683		
Permitnumb:	107241		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19960327000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	81
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960318000000.000
Locreviewd:	19960318000000.000	Proposedco:	19960318000000.000
Permitappr:	19960318000000.000	Actualcons:	Not Reported
Completion:	19960327000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	65	Screenbase:	75
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	110596		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	63
Groutmater:	Neat Cement	Graveltop:	63
Gravelbase:	81	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	65
Innercas01:	PVC	Site id:	DE1000000102683

H318
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000102569**

Objectid:	102569		
Permitnumb:	106321		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Other	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19951107000000.000
Locreviewd:	19951107000000.000	Proposedco:	19951107000000.000
Permitappr:	19951107000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112179		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Pure Green Indu,		
Owneraddre:	Marsh Road, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000102569

H319
ENE **DE WELLS** **DE1000000103279**
1/4 - 1/2 Mile
Higher

Objectid:	103279		
Permitnumb:	109445		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	34
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	22	Screenbase:	32
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	112363		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	15
Groutmater:	Bentonite	Graveltop:	17
Gravelbase:	34	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	22
Innercas01:	PVC	Site id:	DE1000000103279

H320 **DE WELLS** **DE1000000103286**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	103286		
Permitnumb:	109454		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	32
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	20	Screenbase:	30
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	112366		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	13
Groutmater:	Bentonite	Graveltop:	15
Gravelbase:	32	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	20
Innercas01:	PVC	Site id:	DE1000000103286

H321
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000103285**

Objectid:	103285		
Permitnumb:	109453		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	44
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	32	Screenbase:	42
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114165		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	25
Groutmater:	Bentonite	Graveltop:	27
Gravelbase:	44	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	32
Innercas01:	PVC	Site id:	DE1000000103285

H322
ENE **DE WELLS** **DE1000000103288**
1/4 - 1/2 Mile
Higher

Objectid:	103288		
Permitnumb:	109456		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	42
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	30	Screenbase:	40
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114049		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	23
Groutmater:	Bentonite	Graveltop:	25
Gravelbase:	42	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	30
Innercas01:	PVC	Site id:	DE1000000103288

H323 **DE WELLS** **DE1000000103287**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	103287		
Permitnumb:	109455		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961214000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	40
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961214000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28	Screenbase:	38
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114166		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	21
Groutmater:	Bentonite	Graveltop:	23
Gravelbase:	40	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	28
Innercas01:	PVC	Site id:	DE1000000103287

H324
ENE **DE WELLS** **DE1000000103284**
1/4 - 1/2 Mile
Higher

Objectid:	103284		
Permitnumb:	109452		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	28
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	16	Screenbase:	26
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	112365		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	10
Groutmater:	Bentonite	Graveltop:	11
Gravelbase:	28	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	16
Innercas01:	PVC	Site id:	DE1000000103284

H325
ENE **DE WELLS** **DE1000000103281**
1/4 - 1/2 Mile
Higher

Objectid:	103281		
Permitnumb:	109447		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	40
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28	Screenbase:	38
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	113907		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	21
Groutmater:	Bentonite	Graveltop:	23
Gravelbase:	40	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	28
Innercas01:	PVC	Site id:	DE1000000103281

H326
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000103280**

Objectid:	103280		
Permitnumb:	109446		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	48
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	36	Screenbase:	46
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114164		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	29
Groutmater:	Bentonite	Graveltop:	31
Gravelbase:	48	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	36
Innercas01:	PVC	Site id:	DE1000000103280

H327 **DE WELLS** **DE1000000103283**
ENE
1/4 - 1/2 Mile Higher

Objectid:	103283		
Permitnumb:	109449		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	22
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	10	Screenbase:	20
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	112364		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	22	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	10
Innercas01:	PVC	Site id:	DE1000000103283

H328
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000103282**

Objectid:	103282		
Permitnumb:	109448		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19961204000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	30
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960904000000.000
Locreviewd:	19960904000000.000	Proposedco:	19960904000000.000
Permitappr:	19960904000000.000	Actualcons:	Not Reported
Completion:	19961204000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	18	Screenbase:	28
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	114048		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, PO Box 455, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	12
Groutmater:	Bentonite	Graveltop:	13
Gravelbase:	30	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	18
Innercas01:	PVC	Site id:	DE1000000103282

H329
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100360**

Objectid:	100360		
Permitnumb:	97356		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	78
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	149191		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100360

H330
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100359**

Objectid:	100359		
Permitnumb:	97355		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	78
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147131		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100359

H331
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100362**

Objectid:	100362		
Permitnumb:	97358		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	78
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	149192		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100362

H332
ENE **DE WELLS** **DE1000000100361**
1/4 - 1/2 Mile
Higher

Objectid:	100361		
Permitnumb:	97357		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	78
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146578		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100361

H333
ENE **DE WELLS** **DE1000000100358**
1/4 - 1/2 Mile
Higher

Objectid:	100358		
Permitnumb:	97354		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	75
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146804		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100358

H334
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100355**

Objectid:	100355		
Permitnumb:	97351		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	76
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	149190		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100355

H335
ENE **DE WELLS** **DE1000000100354**
1/4 - 1/2 Mile
Higher

Objectid:	100354		
Permitnumb:	97350		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	76
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	149189		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100354

H336
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100357**

Objectid:	100357		
Permitnumb:	97353		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	76
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146803		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100357

H337
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100356**

Objectid:	100356		
Permitnumb:	97352		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	76
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146577		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100356

H338
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100363**

Objectid:	100363		
Permitnumb:	97359		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	78
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931001000000.000
Locreviewd:	19931001000000.000	Proposedco:	19931001000000.000
Permitappr:	19931001000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	149193		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	924		
Wellcontra:	Craig Test Boring Company Inc		
Owner:	Delaware Solid,		
Owneraddre:	1128 South Bradford Street, Dover, DE 19904 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100363

H339
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100650**

Objectid:	100650		
Permitnumb:	98879		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20010401000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	38
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19940228000000.000
Locreviewd:	19940228000000.000	Proposedco:	19940228000000.000
Permitappr:	19940228000000.000	Actualcons:	Not Reported
Completion:	20010401000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	26	Screenbase:	4
Screenmate:	PVC	Minwelldia:	6
Maxwelldia:	6		
Locid:	148814		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	350		
Wellcontra:	Warren George Inc		
Owner:	Dupont,		
Owneraddre:	150 Hay Road, Wilmington, DE 19809 US		
Grouttop:	0	Groutbase:	31
Groutmater:	Bentonite	Graveltop:	31
Gravelbase:	38	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	38
Innercas01:	PVC	Site id:	DE1000000100650

H340 **DE WELLS** **DE1000000100649**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	100649		
Permitnumb:	98877		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20010401000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19940228000000.000
Locreviewd:	19940228000000.000	Proposedco:	19940228000000.000
Permitappr:	19940228000000.000	Actualcons:	Not Reported
Completion:	20010401000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	14	Screenbase:	19
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	148813		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	350		
Wellcontra:	Warren George Inc		
Owner:	Dupont,		
Owneraddre:	150 Hay Road, Wilmington, DE 19809 US		
Grouttop:	0	Groutbase:	12
Groutmater:	Bentonite	Graveltop:	12
Gravelbase:	19	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	4
Innercas01:	PVC	Site id:	DE1000000100649

H341
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000102477**

Objectid:	102477		
Permitnumb:	105723		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19950918000000.000
Locreviewd:	19950918000000.000	Proposedco:	19950918000000.000
Permitappr:	19950918000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	109057		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	608		
Wellcontra:	American Water Well Systems		
Owner:	Delmarva Power		
Owneraddre:	800 King Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000102477

H342
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000102126**

Objectid:	102126		
Permitnumb:	104243		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19950614000000.000
Proposeddr:	Other	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	60
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19950531000000.000
Locreviewd:	19950531000000.000	Proposedco:	19950531000000.000
Permitappr:	19950531000000.000	Actualcons:	Not Reported
Completion:	19950614000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	109466		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Us Army Of Engi,		
Owneraddre:	110 Penn Square, Wanamaker Building, Philadelphia, PA 19107 US		
Grouttop:	0	Groutbase:	60
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000102126

H343
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100648**

Objectid:	100648		
Permitnumb:	98876		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20010420000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19940228000000.000
Locreviewd:	19940228000000.000	Proposedco:	19940228000000.000
Permitappr:	19940228000000.000	Actualcons:	Not Reported
Completion:	20010420000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	10	Screenbase:	15
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	150317		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	350		
Wellcontra:	Warren George Inc		
Owner:	Dupont,		
Owneraddre:	150 Hay Road, Wilmington, DE 19809 US		
Grouttop:	0	Groutbase:	8
Groutmater:	Bentonite	Graveltop:	8
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	4
Innercas01:	PVC	Site id:	DE1000000100648

H344
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100490**

Objectid:	100490		
Permitnumb:	98012		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19931209000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	12
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931122000000.000
Locreviewd:	19931122000000.000	Proposedco:	19931122000000.000
Permitappr:	19931122000000.000	Actualcons:	Not Reported
Completion:	19931209000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	1	Screenbase:	11
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	146829		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	State Of Delawa,		
Owneraddre:	715 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	1
Gravelbase:	11	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	1
Innercas01:	PVC	Site id:	DE1000000100490

H345
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100489**

Objectid:	100489		
Permitnumb:	98011		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19931209000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	12
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931122000000.000
Locreviewd:	19931122000000.000	Proposedco:	19931122000000.000
Permitappr:	19931122000000.000	Actualcons:	Not Reported
Completion:	19931209000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	1	Screenbase:	11
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	147157		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	State Of Delawa,		
Owneraddre:	715 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	1
Gravelbase:	11	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	1
Innercas01:	PVC	Site id:	DE1000000100489

H346
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100492**

Objectid:	100492		
Permitnumb:	98014		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931122000000.000
Locreviewd:	19931122000000.000	Proposedco:	19931122000000.000
Permitappr:	19931122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146831		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	State Of Delawa,		
Owneraddre:	715 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100492

H347
ENE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000100491**

Objectid:	100491		
Permitnumb:	98013		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19931122000000.000
Locreviewd:	19931122000000.000	Proposedco:	19931122000000.000
Permitappr:	19931122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	146830		
X:	191469.59375	Y:	192081.09375
Latitude:	39.730225		
Longitude:	-75.51617		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	State Of Delawa,		
Owneraddre:	715 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100491

H348
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105311**

Objectid:	105311		
Permitnumb:	216984		
Localwelli:	P3-G4A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321249		
X:	191435	Y:	192158
Latitude:	39.730917		
Longitude:	-75.516572		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105311

H349
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105312**

Objectid:	105312		
Permitnumb:	216985		
Localwelli:	P3-G5A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321250		
X:	191435	Y:	192158
Latitude:	39.730917		
Longitude:	-75.516572		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105312

H350
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105310**

Objectid:	105310		
Permitnumb:	216983		
Localwelli:	P3-G3A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321248		
X:	191435	Y:	192158
Latitude:	39.730917		
Longitude:	-75.516572		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105310

H351
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105308**

Objectid:	105308		
Permitnumb:	216981		
Localwelli:	P3-G1A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321246		
X:	191435	Y:	192158
Latitude:	39.730917		
Longitude:	-75.516572		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105308

H352
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105309**

Objectid:	105309		
Permitnumb:	216982		
Localwelli:	P3-G2A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321247		
X:	191435	Y:	192158
Latitude:	39.730917		
Longitude:	-75.516572		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105309

H353
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105316**

Objectid:	105316		
Permitnumb:	216989		
Localwelli:	P3-G9A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321254		
X:	191435	Y:	192158
Latitude:	39.730917		
Longitude:	-75.516572		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105316

H354
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105317**

Objectid:	105317		
Permitnumb:	216990		
Localwelli:	P3-G10A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321255		
X:	191435	Y:	192158
Latitude:	39.730917		
Longitude:	-75.516572		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105317

H355
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105315**

Objectid:	105315		
Permitnumb:	216988		
Localwelli:	P3-G8A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321253		
X:	191435	Y:	192158
Latitude:	39.730917		
Longitude:	-75.516572		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105315

H356
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105313**

Objectid:	105313		
Permitnumb:	216986		
Localwelli:	P3-G6A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321251		
X:	191435	Y:	192158
Latitude:	39.730917		
Longitude:	-75.516572		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105313

H357
NE
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105314**

Objectid:	105314		
Permitnumb:	216987		
Localwelli:	P3-G7A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321252		
X:	191435	Y:	192158
Latitude:	39.730917		
Longitude:	-75.516572		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105314

K358
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105472**

Objectid:	105472		
Permitnumb:	217888		
Localwelli:	GP-14	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4282143
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323770		
X:	191646	Y:	191721
Latitude:	39.726983		
Longitude:	-75.514105		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105472

K359
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105473**

Objectid:	105473		
Permitnumb:	217889		
Localwelli:	GP-15	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4282143
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323771		
X:	191646	Y:	191721
Latitude:	39.726983		
Longitude:	-75.514105		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105473

K360
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105471**

Objectid:	105471		
Permitnumb:	217887		
Localwelli:	GP-13	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4282143
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323769		
X:	191646	Y:	191721
Latitude:	39.726983		
Longitude:	-75.514105		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105471

K361
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105469**

Objectid:	105469		
Permitnumb:	217885		
Localwelli:	Gp-11	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4282143
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323767		
X:	191646	Y:	191721
Latitude:	39.726983		
Longitude:	-75.514105		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105469

K362
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105470**

Objectid:	105470		
Permitnumb:	217886		
Localwelli:	GP-12	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4282143
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323768		
X:	191646	Y:	191721
Latitude:	39.726983		
Longitude:	-75.514105		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105470

K363
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105477**

Objectid:	105477		
Permitnumb:	217893		
Localwelli:	Gp-19	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4282143
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323775		
X:	191646	Y:	191721
Latitude:	39.726983		
Longitude:	-75.514105		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105477

K364
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105478**

Objectid:	105478		
Permitnumb:	217894		
Localwelli:	GP-20	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4282143
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323776		
X:	191646	Y:	191721
Latitude:	39.726983		
Longitude:	-75.514105		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105478

K365
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105476**

Objectid:	105476		
Permitnumb:	217892		
Localwelli:	GP-18	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4282143
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323774		
X:	191646	Y:	191721
Latitude:	39.726983		
Longitude:	-75.514105		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105476

K366
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105474**

Objectid:	105474		
Permitnumb:	217890		
Localwelli:	GP-16	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4282143
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323772		
X:	191646	Y:	191721
Latitude:	39.726983		
Longitude:	-75.514105		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105474

K367
East
1/4 - 1/2 Mile
Higher

DE WELLS **DE1000000105475**

Objectid:	105475		
Permitnumb:	217891		
Localwelli:	GP-17	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4282143
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323773		
X:	191646	Y:	191721
Latitude:	39.726983		
Longitude:	-75.514105		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105475

368
West
1/4 - 1/2 Mile
Lower

DE WELLS **DE1000000121144**

Objectid:	121144		
Permitnumb:	189567		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20021015000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	33
Welltermun:	24	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	DR-1	Apprecdate:	20020930000000.000
Locreviewd:	20020930000000.000	Proposedco:	20020930000000.000
Permitappr:	20020930000000.000	Actualcons:	Not Reported
Completion:	20021015000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28	Screenbase:	33
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	74125		
X:	190101	Y:	191793
Latitude:	39.727615		
Longitude:	-75.532131		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware Solid Waste Auth		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	13
Groutmater:	Bentonite	Graveltop:	13
Gravelbase:	33	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	33
Innercas01:	PVC	Site id:	DE1000000121144

L369
ENE **DE WELLS** **DE1000000105465**
1/4 - 1/2 Mile
Higher

Objectid:	105465		
Permitnumb:	217881		
Localwelli:	Gp-23	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4690623
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323761		
X:	191633	Y:	191923
Latitude:	39.728803		
Longitude:	-75.514259		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105465

L370 **DE WELLS** **DE1000000105464**
ENE
1/4 - 1/2 Mile
Higher

Objectid:	105464		
Permitnumb:	217880		
Localwelli:	GP-10	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4690623
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323760		
X:	191633	Y:	191923
Latitude:	39.728803		
Longitude:	-75.514259		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105464

L371
ENE **DE WELLS** **DE1000000105466**
1/4 - 1/2 Mile
Higher

Objectid:	105466		
Permitnumb:	217882		
Localwelli:	Gp-24	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4690623
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323762		
X:	191633	Y:	191923
Latitude:	39.728803		
Longitude:	-75.514259		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105466

L372
ENE **DE WELLS** **DE1000000105468**
1/4 - 1/2 Mile
Higher

Objectid:	105468		
Permitnumb:	217884		
Localwelli:	GP-26	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4690623
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323764		
X:	191633	Y:	191923
Latitude:	39.728803		
Longitude:	-75.514259		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105468

L373
ENE **DE WELLS** **DE1000000105467**
1/4 - 1/2 Mile
Higher

Objectid:	105467		
Permitnumb:	217883		
Localwelli:	GP-25	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4690623
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323763		
X:	191633	Y:	191923
Latitude:	39.728803		
Longitude:	-75.514259		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105467

374
NNE **DE WELLS** **DE1000000120012**
1/4 - 1/2 Mile
Lower

Objectid:	120012		
Permitnumb:	178582		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	92
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	P-100A	Apprecdate:	20010510000000.000
Locreviewd:	20010510000000.000	Proposedco:	20010510000000.000
Permitappr:	20010510000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	68045		
X:	191183	Y:	192424
Latitude:	39.73331		
Longitude:	-75.519519		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Delaware Department Of Transportation/ City Of Wilmington		
Owneraddre:	800 Bay Road, PO Box 778, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000120012

M375
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123749**

Objectid:	123749		
Permitnumb:	217813		
Localwelli:	P3-1C-12-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4558845
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	165	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323575		
X:	191542	Y:	191227
Latitude:	39.722533		
Longitude:	-75.515312		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123749

M376
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123750**

Objectid:	123750		
Permitnumb:	217814		
Localwelli:	P3-1C-13-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4558845
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	165	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323576		
X:	191542	Y:	191227
Latitude:	39.722533		
Longitude:	-75.515312		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123750

M377
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123748**

Objectid:	123748		
Permitnumb:	217812		
Localwelli:	P3-1C-12-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4558845
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	165	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323574		
X:	191542	Y:	191227
Latitude:	39.722533		
Longitude:	-75.515312		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123748

M378
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123746**

Objectid:	123746		
Permitnumb:	217810		
Localwelli:	P4-1C-11-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4558845
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	165	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323572		
X:	191542	Y:	191227
Latitude:	39.722533		
Longitude:	-75.515312		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123746

M379
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123747**

Objectid:	123747		
Permitnumb:	217811		
Localwelli:	P4-1C-11-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4558845
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	165	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323573		
X:	191542	Y:	191227
Latitude:	39.722533		
Longitude:	-75.515312		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123747

M380
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123754**

Objectid:	123754		
Permitnumb:	217818		
Localwelli:	P3-1C-15-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4558845
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	165	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323580		
X:	191542	Y:	191227
Latitude:	39.722533		
Longitude:	-75.515312		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123754

M381
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123755**

Objectid:	123755		
Permitnumb:	217819		
Localwelli:	P3-1C-15-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4558845
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	165	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323581		
X:	191542	Y:	191227
Latitude:	39.722533		
Longitude:	-75.515312		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123755

M382
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123753**

Objectid:	123753		
Permitnumb:	217817		
Localwelli:	P3-1C-14-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4558845
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	165	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323579		
X:	191542	Y:	191227
Latitude:	39.722533		
Longitude:	-75.515312		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123753

M383
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123751**

Objectid:	123751		
Permitnumb:	217815		
Localwelli:	P3-1C-13-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4558845
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	165	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323577		
X:	191542	Y:	191227
Latitude:	39.722533		
Longitude:	-75.515312		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123751

M384
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123752**

Objectid:	123752		
Permitnumb:	217816		
Localwelli:	P3-1C-14-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4558845
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	165	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323578		
X:	191542	Y:	191227
Latitude:	39.722533		
Longitude:	-75.515312		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123752

N385
ESE **DE WELLS** **DE1000000105382**
1/2 - 1 Mile
Higher

Objectid:	105382		
Permitnumb:	217451		
Localwelli:	P3-G14A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322594		
X:	191671	Y:	191492
Latitude:	39.724921		
Longitude:	-75.513811		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105382

N386
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105383**

Objectid:	105383		
Permitnumb:	217452		
Localwelli:	P3-G15A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322595		
X:	191671	Y:	191492
Latitude:	39.724921		
Longitude:	-75.513811		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105383

N387
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105381**

Objectid:	105381		
Permitnumb:	217450		
Localwelli:	P3-G13A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322593		
X:	191671	Y:	191492
Latitude:	39.724921		
Longitude:	-75.513811		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105381

N388
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105379**

Objectid:	105379		
Permitnumb:	217448		
Localwelli:	P3-G11A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322591		
X:	191671	Y:	191492
Latitude:	39.724921		
Longitude:	-75.513811		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105379

N389
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105380**

Objectid:	105380		
Permitnumb:	217449		
Localwelli:	P3-G12A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322592		
X:	191671	Y:	191492
Latitude:	39.724921		
Longitude:	-75.513811		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105380

N390
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105387**

Objectid:	105387		
Permitnumb:	217456		
Localwelli:	P3-G19A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322599		
X:	191671	Y:	191492
Latitude:	39.724921		
Longitude:	-75.513811		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105387

N391
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105388**

Objectid:	105388		
Permitnumb:	217457		
Localwelli:	P3-G20A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322600		
X:	191671	Y:	191492
Latitude:	39.724921		
Longitude:	-75.513811		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105388

N392
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105386**

Objectid:	105386		
Permitnumb:	217455		
Localwelli:	P3-G18A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322598		
X:	191671	Y:	191492
Latitude:	39.724921		
Longitude:	-75.513811		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105386

N393
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105384**

Objectid:	105384		
Permitnumb:	217453		
Localwelli:	P3-G16A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322596		
X:	191671	Y:	191492
Latitude:	39.724921		
Longitude:	-75.513811		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105384

N394
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105385**

Objectid:	105385		
Permitnumb:	217454		
Localwelli:	P3-G17A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061208000000.000
Locreviewd:	20061211000000.000	Proposedco:	20061211000000.000
Permitappr:	20061211000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322597		
X:	191671	Y:	191492
Latitude:	39.724921		
Longitude:	-75.513811		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105385

395
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000133996**

Objectid:	133996		
Permitnumb:	242059		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	4178661
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20130211000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	120	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130110121857.000
Locreviewd:	20130110121857.000	Proposedco:	20130118000000.000
Permitappr:	20130118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	1014599		
X:	191714.90625	Y:	191682.5
Latitude:	39.726637		
Longitude:	-75.513305		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	1042		
Wellcontra:	Hillis-Carnes Engineering Associates Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133996

M396
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123729**

Objectid:	123729		
Permitnumb:	217793		
Localwelli:	PS-1C-04-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4565520
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	162	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323551		
X:	191599	Y:	191237
Latitude:	39.722624		
Longitude:	-75.514647		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123729

M397
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123730**

Objectid:	123730		
Permitnumb:	217794		
Localwelli:	PS-1C-05-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4565520
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	162	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323552		
X:	191599	Y:	191237
Latitude:	39.722624		
Longitude:	-75.514647		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123730

M398
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123728**

Objectid:	123728		
Permitnumb:	217792		
Localwelli:	PS-1C-04-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4565520
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	162	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323550		
X:	191599	Y:	191237
Latitude:	39.722624		
Longitude:	-75.514647		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123728

M399
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123726**

Objectid:	123726		
Permitnumb:	217790		
Localwelli:	PS-1C-03-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4565520
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	162	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323548		
X:	191599	Y:	191237
Latitude:	39.722624		
Longitude:	-75.514647		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123726

M400
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123727**

Objectid:	123727		
Permitnumb:	217791		
Localwelli:	PS-1C-03-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4565520
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	162	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323549		
X:	191599	Y:	191237
Latitude:	39.722624		
Longitude:	-75.514647		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123727

M401
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123734**

Objectid:	123734		
Permitnumb:	217798		
Localwelli:	PS-1C-07-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4565520
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	162	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323556		
X:	191599	Y:	191237
Latitude:	39.722624		
Longitude:	-75.514647		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123734

M402
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123735**

Objectid:	123735		
Permitnumb:	217799		
Localwelli:	PS-1C-07-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4565520
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	162	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323557		
X:	191599	Y:	191237
Latitude:	39.722624		
Longitude:	-75.514647		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123735

M403
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123733**

Objectid:	123733		
Permitnumb:	217797		
Localwelli:	PS-1C-06-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4565520
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	162	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323555		
X:	191599	Y:	191237
Latitude:	39.722624		
Longitude:	-75.514647		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123733

M404
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123731**

Objectid:	123731		
Permitnumb:	217795		
Localwelli:	PS-1C-05-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4565520
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	162	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323553		
X:	191599	Y:	191237
Latitude:	39.722624		
Longitude:	-75.514647		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123731

M405
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123732**

Objectid:	123732		
Permitnumb:	217796		
Localwelli:	PS-1C-06-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4565520
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	162	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323554		
X:	191599	Y:	191237
Latitude:	39.722624		
Longitude:	-75.514647		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123732

L406 **DE WELLS** **DE1000000105458**
ENE
1/2 - 1 Mile
Higher

Objectid:	105458		
Permitnumb:	217874		
Localwelli:	GP-04	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4682076
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323750		
X:	191729	Y:	191923
Latitude:	39.728804		
Longitude:	-75.51314		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105458

M407
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123719**

Objectid:	123719		
Permitnumb:	217783		
Localwelli:	P3-SS-14-3	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4767981
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	150	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323539		
X:	191596	Y:	191166
Latitude:	39.721984		
Longitude:	-75.514681		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123719

M408
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123720**

Objectid:	123720		
Permitnumb:	217784		
Localwelli:	P3-SS-15-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4767981
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	150	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323540		
X:	191596	Y:	191166
Latitude:	39.721984		
Longitude:	-75.514681		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123720

M409
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123717**

Objectid:	123717		
Permitnumb:	217781		
Localwelli:	P3-SS-14-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4767981
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	150	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323537		
X:	191596	Y:	191166
Latitude:	39.721984		
Longitude:	-75.514681		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123717

M410
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123718**

Objectid:	123718		
Permitnumb:	217782		
Localwelli:	P3-SS-14-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4767981
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	150	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323538		
X:	191596	Y:	191166
Latitude:	39.721984		
Longitude:	-75.514681		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123718

M411
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123721**

Objectid:	123721		
Permitnumb:	217785		
Localwelli:	P3-SS-15-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4767981
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	150	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323541		
X:	191596	Y:	191166
Latitude:	39.721984		
Longitude:	-75.514681		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123721

M412
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123724**

Objectid:	123724		
Permitnumb:	217788		
Localwelli:	P5-SS-01-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4767981
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	150	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323544		
X:	191596	Y:	191166
Latitude:	39.721984		
Longitude:	-75.514681		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123724

M413
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123725**

Objectid:	123725		
Permitnumb:	217789		
Localwelli:	P5-SS-02-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4767981
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	150	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323545		
X:	191596	Y:	191166
Latitude:	39.721984		
Longitude:	-75.514681		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123725

M414
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123722**

Objectid:	123722		
Permitnumb:	217786		
Localwelli:	P3-SS-16-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4767981
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	150	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323542		
X:	191596	Y:	191166
Latitude:	39.721984		
Longitude:	-75.514681		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123722

M415
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123723**

Objectid:	123723		
Permitnumb:	217787		
Localwelli:	P3-SS-17-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4767981
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	150	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	Yes
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323543		
X:	191596	Y:	191166
Latitude:	39.721984		
Longitude:	-75.514681		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123723

M416
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123757**

Objectid:	123757		
Permitnumb:	217821		
Localwelli:	P3-1C-16-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4552606
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	137	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323585		
X:	191593	Y:	191123
Latitude:	39.721597		
Longitude:	-75.514716		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123757

M417
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123756**

Objectid:	123756		
Permitnumb:	217820		
Localwelli:	P3-1C-16-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4552606
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	137	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323584		
X:	191593	Y:	191123
Latitude:	39.721597		
Longitude:	-75.514716		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123756

M418
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123759**

Objectid:	123759		
Permitnumb:	217823		
Localwelli:	P3-1C-17-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4552606
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	137	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323587		
X:	191593	Y:	191123
Latitude:	39.721597		
Longitude:	-75.514716		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123759

M419
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123758**

Objectid:	123758		
Permitnumb:	217822		
Localwelli:	P3-1C-17-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4552606
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	137	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070118000000.000
Permitappr:	20070118000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323586		
X:	191593	Y:	191123
Latitude:	39.721597		
Longitude:	-75.514716		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123758

O420
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097375**

Objectid:	97375		
Permitnumb:	213016		
Localwelli:	0	Welltype:	Monitor - Direct Push
Dgsid:	0	Taxid:	26-052.00-004
Septicperm:	n/a	Wellauthco:	4424799
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20060119000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	20060119000000.000
Totaldepth:	150	Totaldep00:	10
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	W1*W4	Apprecdate:	20060119000000.000
Locreviewd:	20060119000000.000	Proposedco:	20060123000000.000
Permitappr:	20060123000000.000	Actualcons:	Not Reported
Completion:	20060424000000.000	Abandonrep:	20060126000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	309655		
X:	190326	Y:	192412
Latitude:	39.733193		
Longitude:	-75.529512		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	River Associates LLC		
Owneraddre:	200 Water Street, Suite 300, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097375

P421
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123694**

Objectid:	123694		
Permitnumb:	217758		
Localwelli:	P3-P2-16-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4207872
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070122000000.000
Permitappr:	20070122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323508		
X:	191564	Y:	191062
Latitude:	39.721047		
Longitude:	-75.515053		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123694

P422
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123695**

Objectid:	123695		
Permitnumb:	217759		
Localwelli:	P3-P2-17-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4207872
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070122000000.000
Permitappr:	20070122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323509		
X:	191564	Y:	191062
Latitude:	39.721047		
Longitude:	-75.515053		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123695

P423
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123693**

Objectid:	123693		
Permitnumb:	217757		
Localwelli:	P3-P2-15-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4207872
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070122000000.000
Permitappr:	20070122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323507		
X:	191564	Y:	191062
Latitude:	39.721047		
Longitude:	-75.515053		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123693

P424
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123691**

Objectid:	123691		
Permitnumb:	217755		
Localwelli:	P3 -P2-14-3	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4207872
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070122000000.000
Permitappr:	20070122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323505		
X:	191564	Y:	191062
Latitude:	39.721047		
Longitude:	-75.515053		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123691

P425
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123692**

Objectid:	123692		
Permitnumb:	217756		
Localwelli:	P3-P2-15-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4207872
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070122000000.000
Permitappr:	20070122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323506		
X:	191564	Y:	191062
Latitude:	39.721047		
Longitude:	-75.515053		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123692

P426
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123699**

Objectid:	123699		
Permitnumb:	217763		
Localwelli:	PIEZO-TTA-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4207872
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070122000000.000
Permitappr:	20070122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323513		
X:	191564	Y:	191062
Latitude:	39.721047		
Longitude:	-75.515053		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123699

P427
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123700**

Objectid:	123700		
Permitnumb:	217764		
Localwelli:	PIEZO-TTA-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4207872
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070122000000.000
Permitappr:	20070122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323514		
X:	191564	Y:	191062
Latitude:	39.721047		
Longitude:	-75.515053		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123700

P428 **DE WELLS** **DE1000000123698**
SE
1/2 - 1 Mile
Higher

Objectid:	123698		
Permitnumb:	217762		
Localwelli:	P5-P2-02-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4207872
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070122000000.000
Permitappr:	20070122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323512		
X:	191564	Y:	191062
Latitude:	39.721047		
Longitude:	-75.515053		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123698

P429
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123696**

Objectid:	123696		
Permitnumb:	217760		
Localwelli:	P3-P2-01-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4207872
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070122000000.000
Permitappr:	20070122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323510		
X:	191564	Y:	191062
Latitude:	39.721047		
Longitude:	-75.515053		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123696

P430 **DE WELLS** **DE1000000123697**
SE
1/2 - 1 Mile
Higher

Objectid:	123697		
Permitnumb:	217761		
Localwelli:	P3-P2-02-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4207872
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	130	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070122000000.000
Permitappr:	20070122000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323511		
X:	191564	Y:	191062
Latitude:	39.721047		
Longitude:	-75.515053		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123697

Q431
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105460**

Objectid:	105460		
Permitnumb:	217876		
Localwelli:	GP-06	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4677526
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323754		
X:	191800	Y:	191838
Latitude:	39.728039		
Longitude:	-75.51231		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105460

Q432
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105459**

Objectid:	105459		
Permitnumb:	217875		
Localwelli:	GP-05	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4677526
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323753		
X:	191800	Y:	191838
Latitude:	39.728039		
Longitude:	-75.51231		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105459

Q433
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105461**

Objectid:	105461		
Permitnumb:	217877		
Localwelli:	GP-07	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4677526
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323755		
X:	191800	Y:	191838
Latitude:	39.728039		
Longitude:	-75.51231		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105461

Q434
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105463**

Objectid:	105463		
Permitnumb:	217879		
Localwelli:	GP-09	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4677526
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323757		
X:	191800	Y:	191838
Latitude:	39.728039		
Longitude:	-75.51231		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105463

Q435
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105462**

Objectid:	105462		
Permitnumb:	217878		
Localwelli:	GP-08	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4677526
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323756		
X:	191800	Y:	191838
Latitude:	39.728039		
Longitude:	-75.51231		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105462

P436 **DE WELLS** **DE1000000123711**
SE
1/2 - 1 Mile
Higher

Objectid:	123711		
Permitnumb:	217775		
Localwelli:	P5-SS-08-3	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4591019
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	109	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323529		
X:	191633	Y:	191130
Latitude:	39.72166		
Longitude:	-75.514249		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123711

P437
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123712**

Objectid:	123712		
Permitnumb:	217776		
Localwelli:	P5-SS-09-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4591019
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	109	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323530		
X:	191633	Y:	191130
Latitude:	39.72166		
Longitude:	-75.514249		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123712

P438
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123709**

Objectid:	123709		
Permitnumb:	217773		
Localwelli:	P5-SS-08-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4591019
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	109	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323527		
X:	191633	Y:	191130
Latitude:	39.72166		
Longitude:	-75.514249		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123709

P439
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123710**

Objectid:	123710		
Permitnumb:	217774		
Localwelli:	P5SS-08-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4591019
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	109	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323528		
X:	191633	Y:	191130
Latitude:	39.72166		
Longitude:	-75.514249		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123710

P440 **DE WELLS** **DE1000000123715**
SE
1/2 - 1 Mile
Higher

Objectid:	123715		
Permitnumb:	217779		
Localwelli:	P4-SS-12-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4591019
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	109	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323533		
X:	191633	Y:	191130
Latitude:	39.72166		
Longitude:	-75.514249		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123715

P441 **DE WELLS** **DE1000000123716**
SE
1/2 - 1 Mile
Higher

Objectid:	123716		
Permitnumb:	217780		
Localwelli:	P3-SS-13-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4591019
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	109	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323534		
X:	191633	Y:	191130
Latitude:	39.72166		
Longitude:	-75.514249		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123716

P442
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123713**

Objectid:	123713		
Permitnumb:	217777		
Localwelli:	P4-SS-10-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4591019
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	109	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323531		
X:	191633	Y:	191130
Latitude:	39.72166		
Longitude:	-75.514249		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123713

P443
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123714**

Objectid:	123714		
Permitnumb:	217778		
Localwelli:	P4-SS-11-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4591019
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	109	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323532		
X:	191633	Y:	191130
Latitude:	39.72166		
Longitude:	-75.514249		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123714

P444
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123684**

Objectid:	123684		
Permitnumb:	217748		
Localwelli:	P5-P2-09-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4586064
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	83	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323496		
X:	191591	Y:	191067
Latitude:	39.721092		
Longitude:	-75.514738		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123684

P445
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123685**

Objectid:	123685		
Permitnumb:	217749		
Localwelli:	P4-P2-10-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4586064
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	83	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323497		
X:	191591	Y:	191067
Latitude:	39.721092		
Longitude:	-75.514738		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123685

P446
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123683**

Objectid:	123683		
Permitnumb:	217747		
Localwelli:	P5-P2-08-3	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4586064
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	83	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323495		
X:	191591	Y:	191067
Latitude:	39.721092		
Longitude:	-75.514738		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123683

P447
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123681**

Objectid:	123681		
Permitnumb:	217745		
Localwelli:	P5-P2-08-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4586064
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	83	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323493		
X:	191591	Y:	191067
Latitude:	39.721092		
Longitude:	-75.514738		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123681

P448 **DE WELLS** **DE1000000123682**
SE
1/2 - 1 Mile
Higher

Objectid:	123682		
Permitnumb:	217746		
Localwelli:	P5-P2-08-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4586064
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	83	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323494		
X:	191591	Y:	191067
Latitude:	39.721092		
Longitude:	-75.514738		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123682

P449
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123689**

Objectid:	123689		
Permitnumb:	217753		
Localwelli:	P3-P2-14-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4586064
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	83	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323501		
X:	191591	Y:	191067
Latitude:	39.721092		
Longitude:	-75.514738		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123689

P450 **DE WELLS** **DE1000000123690**
SE
1/2 - 1 Mile
Higher

Objectid:	123690		
Permitnumb:	217754		
Localwelli:	P3-P2-14-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4586064
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	83	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323502		
X:	191591	Y:	191067
Latitude:	39.721092		
Longitude:	-75.514738		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123690

P451 **DE WELLS** **DE1000000123688**
SE
1/2 - 1 Mile
Higher

Objectid:	123688		
Permitnumb:	217752		
Localwelli:	P3-P2-13-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4586064
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	83	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323500		
X:	191591	Y:	191067
Latitude:	39.721092		
Longitude:	-75.514738		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123688

P452
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123686**

Objectid:	123686		
Permitnumb:	217750		
Localwelli:	P4-P2-11-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4586064
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	83	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323498		
X:	191591	Y:	191067
Latitude:	39.721092		
Longitude:	-75.514738		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123686

P453
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123687**

Objectid:	123687		
Permitnumb:	217751		
Localwelli:	P4-P2-12-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4586064
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	83	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323499		
X:	191591	Y:	191067
Latitude:	39.721092		
Longitude:	-75.514738		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123687

454
SE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108534**

Objectid:	108534		
Permitnumb:	242063		
Localwelli:	P-105-B	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4215046
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20130128000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	180	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	P-105-B	Apprecdate:	20130110122641.000
Locreviewd:	20130110122641.000	Proposedco:	20130110122641.000
Permitappr:	20130123000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	Yes
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	1014603		
X:	191503.5	Y:	190956.5
Latitude:	39.720096		
Longitude:	-75.515761		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	1042		
Wellcontra:	Hillis-Carnes Engineering Associates Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000108534

R455
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123739**

Objectid:	123739		
Permitnumb:	217803		
Localwelli:	PS-1C-02-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4774079
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323563		
X:	191704	Y:	191186
Latitude:	39.722165		
Longitude:	-75.513422		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123739

R456
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123740**

Objectid:	123740		
Permitnumb:	217804		
Localwelli:	PS-1C-08-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4774079
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323564		
X:	191704	Y:	191186
Latitude:	39.722165		
Longitude:	-75.513422		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123740

R457
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123738**

Objectid:	123738		
Permitnumb:	217802		
Localwelli:	PS1C-02-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4774079
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323562		
X:	191704	Y:	191186
Latitude:	39.722165		
Longitude:	-75.513422		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123738

R458
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123736**

Objectid:	123736		
Permitnumb:	217800		
Localwelli:	PS-1C-01-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4774079
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323560		
X:	191704	Y:	191186
Latitude:	39.722165		
Longitude:	-75.513422		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123736

R459
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123737**

Objectid:	123737		
Permitnumb:	217801		
Localwelli:	PS-1C-01-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4774079
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323561		
X:	191704	Y:	191186
Latitude:	39.722165		
Longitude:	-75.513422		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123737

R460
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123744**

Objectid:	123744		
Permitnumb:	217808		
Localwelli:	P4-1C-10-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4774079
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323568		
X:	191704	Y:	191186
Latitude:	39.722165		
Longitude:	-75.513422		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123744

R461
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123745**

Objectid:	123745		
Permitnumb:	217809		
Localwelli:	P4-1C-10-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4774079
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323569		
X:	191704	Y:	191186
Latitude:	39.722165		
Longitude:	-75.513422		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123745

R462
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123743**

Objectid:	123743		
Permitnumb:	217807		
Localwelli:	PS-1C-09-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4774079
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323567		
X:	191704	Y:	191186
Latitude:	39.722165		
Longitude:	-75.513422		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123743

R463
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123741**

Objectid:	123741		
Permitnumb:	217805		
Localwelli:	PS-1C-08-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4774079
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323565		
X:	191704	Y:	191186
Latitude:	39.722165		
Longitude:	-75.513422		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123741

R464
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123742**

Objectid:	123742		
Permitnumb:	217806		
Localwelli:	PS-1C-09-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4774079
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323566		
X:	191704	Y:	191186
Latitude:	39.722165		
Longitude:	-75.513422		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123742

O465
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000105106**

Objectid:	105106		
Permitnumb:	215686		
Localwelli:	MW-2	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-052.00-004
Septicperm:	n/a	Wellauthco:	6231971
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20060718000000.000
Locreviewd:	20060718000000.000	Proposedco:	20060726000000.000
Permitappr:	20060726000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	317652		
X:	190293	Y:	192472
Latitude:	39.733733		
Longitude:	-75.529897		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	River Associates LLC		
Owneraddre:	200 Water Street, Suite 300, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105106

O466
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000105105**

Objectid:	105105		
Permitnumb:	215685		
Localwelli:	MW-1	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-052.00-004
Septicperm:	n/a	Wellauthco:	6231971
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20060718000000.000
Locreviewd:	20060718000000.000	Proposedco:	20060726000000.000
Permitappr:	20060726000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	317651		
X:	190293	Y:	192472
Latitude:	39.733733		
Longitude:	-75.529897		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	River Associates LLC		
Owneraddre:	200 Water Street, Suite 300, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105105

O467
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000105108**

Objectid:	105108		
Permitnumb:	215688		
Localwelli:	MW-4	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-052.00-004
Septicperm:	n/a	Wellauthco:	6231971
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20060718000000.000
Locreviewd:	20060718000000.000	Proposedco:	20060726000000.000
Permitappr:	20060726000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	317654		
X:	190293	Y:	192472
Latitude:	39.733733		
Longitude:	-75.529897		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	River Associates LLC		
Owneraddre:	200 Water Street, Suite 300, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105108

O468
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000105107**

Objectid:	105107		
Permitnumb:	215687		
Localwelli:	MW-3	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-052.00-004
Septicperm:	n/a	Wellauthco:	6231971
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20060718000000.000
Locreviewd:	20060718000000.000	Proposedco:	20060726000000.000
Permitappr:	20060726000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	317653		
X:	190293	Y:	192472
Latitude:	39.733733		
Longitude:	-75.529897		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	River Associates LLC		
Owneraddre:	200 Water Street, Suite 300, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105107

S469
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099034**

Objectid:	99034		
Permitnumb:	92675		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920915000000.000
Locreviewd:	19920915000000.000	Proposedco:	19920915000000.000
Permitappr:	19920915000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	145198		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000099034

S470
SSW **DE WELLS** **DE1000000099033**
1/2 - 1 Mile
Lower

Objectid:	99033		
Permitnumb:	92674		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920915000000.000
Locreviewd:	19920915000000.000	Proposedco:	19920915000000.000
Permitappr:	19920915000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	145197		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000099033

S471
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099032**

Objectid:	99032		
Permitnumb:	92673		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921014000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	7
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920915000000.000
Locreviewd:	19920915000000.000	Proposedco:	19920915000000.000
Permitappr:	19920915000000.000	Actualcons:	Not Reported
Completion:	19921014000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	145196		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000099032

S472
SSW **DE WELLS** **DE1000000111230**
1/2 - 1 Mile
Lower

Objectid:	111230		
Permitnumb:	63872		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19860123000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	120
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19860122000000.000
Locreviewd:	19860122000000.000	Proposedco:	19860122000000.000
Permitappr:	19860122000000.000	Actualcons:	Not Reported
Completion:	19860123000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	119677		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	120
Groutmater:	Neat Cement	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000111230

S473
SSW **DE WELLS** **DE1000000103154**
1/2 - 1 Mile
Lower

Objectid:	103154		
Permitnumb:	108622		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19960703000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19960618000000.000
Locreviewd:	19960618000000.000	Proposedco:	19960618000000.000
Permitappr:	19960618000000.000	Actualcons:	Not Reported
Completion:	19960703000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111204		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Anthracite Deve,		
Owneraddre:	PO Box 594, Pottsville, PA 17901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000103154

S474
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099035**

Objectid:	99035		
Permitnumb:	92676		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920915000000.000
Locreviewd:	19920915000000.000	Proposedco:	19920915000000.000
Permitappr:	19920915000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147491		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000099035

S475
SSW **DE WELLS** **DE1000000099028**
1/2 - 1 Mile
Lower

Objectid:	99028		
Permitnumb:	92669		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921014000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	7
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920915000000.000
Locreviewd:	19920915000000.000	Proposedco:	19920915000000.000
Permitappr:	19920915000000.000	Actualcons:	Not Reported
Completion:	19921014000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147490		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000099028

S476
SSW **DE WELLS** **DE1000000099027**
1/2 - 1 Mile
Lower

Objectid:	99027		
Permitnumb:	92668		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	7
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920915000000.000
Locreviewd:	19920915000000.000	Proposedco:	19920915000000.000
Permitappr:	19920915000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	144345		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000099027

S477
SSW **DE WELLS** **DE1000000099026**
1/2 - 1 Mile
Lower

Objectid:	99026		
Permitnumb:	92667		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921014000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920915000000.000
Locreviewd:	19920915000000.000	Proposedco:	19920915000000.000
Permitappr:	19920915000000.000	Actualcons:	Not Reported
Completion:	19921014000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	144344		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000099026

S478
SSW **DE WELLS** **DE1000000099031**
1/2 - 1 Mile
Lower

Objectid:	99031		
Permitnumb:	92672		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921014000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	7
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920915000000.000
Locreviewd:	19920915000000.000	Proposedco:	19920915000000.000
Permitappr:	19920915000000.000	Actualcons:	Not Reported
Completion:	19921014000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	145195		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000099031

S479
SSW **DE WELLS** **DE1000000099030**
1/2 - 1 Mile
Lower

Objectid:	99030		
Permitnumb:	92671		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921014000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	7
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920915000000.000
Locreviewd:	19920915000000.000	Proposedco:	19920915000000.000
Permitappr:	19920915000000.000	Actualcons:	Not Reported
Completion:	19921014000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	144347		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000099030

S480
SSW **DE WELLS** **DE1000000099029**
1/2 - 1 Mile
Lower

Objectid:	99029		
Permitnumb:	92670		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Voided		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19921014000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	9
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19920915000000.000
Locreviewd:	19920915000000.000	Proposedco:	19920915000000.000
Permitappr:	19920915000000.000	Actualcons:	Not Reported
Completion:	19921014000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	144346		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000099029

S481
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000113501**

Objectid:	113501		
Permitnumb:	79824		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19891117000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	46
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890810000000.000
Locreviewd:	19890810000000.000	Proposedco:	19890810000000.000
Permitappr:	19890810000000.000	Actualcons:	Not Reported
Completion:	19891117000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	29.7000007629395	Screenbase:	39.7000007629395
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	134524		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont Newport,		
Owneraddre:	James Street & Water Street, Newport, DE 19804 US		
Grouttop:	0	Groutbase:	27
Groutmater:	Neat Cement	Graveltop:	27
Gravelbase:	39.7000007629395	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	20.5
Innercas01:	PVC	Site id:	DE1000000113501

S482
SSW **DE WELLS** **DE1000000113202**
1/2 - 1 Mile
Lower

Objectid:	113202		
Permitnumb:	77841		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19890328000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	56
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890215000000.000
Locreviewd:	19890215000000.000	Proposedco:	19890215000000.000
Permitappr:	19890215000000.000	Actualcons:	Not Reported
Completion:	19890328000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	19.6000003814697	Screenbase:	39.5999984741211
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	132855		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	US Environmental Protection		
Owneraddre:	6th Street & Walnut Street, Philadelphia, PA 19106 US		
Grouttop:	0	Groutbase:	16.3999996185303
Groutmater:	Bentonite	Graveltop:	18.3999996185303
Gravelbase:	56	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.59999990463257
Innercas01:	PVC	Site id:	DE1000000113202

S483
SSW **DE WELLS** **DE1000000113199**
1/2 - 1 Mile
Lower

Objectid:	113199		
Permitnumb:	77838		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19890328000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	108
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890215000000.000
Locreviewd:	19890215000000.000	Proposedco:	19890215000000.000
Permitappr:	19890215000000.000	Actualcons:	Not Reported
Completion:	19890328000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	87.5999984741211	Screenbase:	97.5999984741211
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	132853		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	US Environmental Protection		
Owneraddre:	6th Street & Walnut Street, Philadelphia, PA 19106 US		
Grouttop:	0	Groutbase:	81
Groutmater:	Bentonite	Graveltop:	84
Gravelbase:	108	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.59999990463257
Innercas01:	PVC	Site id:	DE1000000113199

S484
SSW **DE WELLS** **DE1000000113504**
1/2 - 1 Mile
Lower

Objectid:	113504		
Permitnumb:	79827		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19891127000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	110.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890810000000.000
Locreviewd:	19890810000000.000	Proposedco:	19890810000000.000
Permitappr:	19890810000000.000	Actualcons:	Not Reported
Completion:	19891127000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	99.1999969482422	Screenbase:	109.199996948242
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	135778		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont Denemour, E I		
Owneraddre:	Elkton Road, Haskell Lab, Newark, DE 19711 US		
Grouttop:	0	Groutbase:	98
Groutmater:	Bentonite	Graveltop:	97
Gravelbase:	109.199996948242	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	20.5
Innercas01:	PVC	Site id:	DE1000000113504

S485
SSW **DE WELLS** **DE1000000113503**
1/2 - 1 Mile
Lower

Objectid:	113503		
Permitnumb:	79826		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19891201000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	109
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890810000000.000
Locreviewd:	19890810000000.000	Proposedco:	19890810000000.000
Permitappr:	19890810000000.000	Actualcons:	Not Reported
Completion:	19891201000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	99	Screenbase:	109
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	139566		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont Denemour, E I		
Owneraddre:	Elkton Road, Haskell Lab, Newark, DE 19711 US		
Grouttop:	0	Groutbase:	97
Groutmater:	Bentonite	Graveltop:	97
Gravelbase:	109	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	20
Innercas01:	PVC	Site id:	DE1000000113503

S486
SSW **DE WELLS** **DE1000000113502**
1/2 - 1 Mile
Lower

Objectid:	113502		
Permitnumb:	79825		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19891120000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	46
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890810000000.000
Locreviewd:	19890810000000.000	Proposedco:	19890810000000.000
Permitappr:	19890810000000.000	Actualcons:	Not Reported
Completion:	19891120000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	31	Screenbase:	41
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	135777		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Dupont Denemour, E I		
Owneraddre:	Elkton Road, Haskell Lab, Newark, DE 19711 US		
Grouttop:	0	Groutbase:	29
Groutmater:	Bentonite	Graveltop:	29
Gravelbase:	41	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	21
Innercas01:	PVC	Site id:	DE1000000113502

S487
SSW **DE WELLS** **DE1000000112362**
1/2 - 1 Mile
Lower

Objectid:	112362		
Permitnumb:	72645		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880121000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	11.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880112000000.000
Locreviewd:	19880112000000.000	Proposedco:	19880112000000.000
Permitappr:	19880112000000.000	Actualcons:	Not Reported
Completion:	19880121000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	1.5	Screenbase:	11.5
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	128664		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	477		
Wellcontra:	J E Fritts & Associates Inc		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	1.5
Groutmater:	Neat Cement	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	1.5
Innercas01:	PVC	Site id:	DE1000000112362

S488
SSW **DE WELLS** **DE1000000111232**
1/2 - 1 Mile
Lower

Objectid:	111232		
Permitnumb:	63874		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19860203000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	18.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19860122000000.000
Locreviewd:	19860122000000.000	Proposedco:	19860122000000.000
Permitappr:	19860122000000.000	Actualcons:	Not Reported
Completion:	19860203000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	8.5	Screenbase:	18.5
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	121461		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Neat Cement	Graveltop:	5
Gravelbase:	18.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	8.5
Innercas01:	PVC	Site id:	DE1000000111232

S489
SSW **DE WELLS** **DE1000000111231**
1/2 - 1 Mile
Lower

Objectid:	111231		
Permitnumb:	63873		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19860203000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	73.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19860122000000.000
Locreviewd:	19860122000000.000	Proposedco:	19860122000000.000
Permitappr:	19860122000000.000	Actualcons:	Not Reported
Completion:	19860203000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	61	Screenbase:	71
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	121460		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	56
Groutmater:	Neat Cement	Graveltop:	56
Gravelbase:	73.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	61
Innercas01:	PVC	Site id:	DE1000000111231

S490 **DE WELLS** **DE1000000113195**
SSW
1/2 - 1 Mile
Lower

Objectid:	113195		
Permitnumb:	77834		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880328000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	120
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890215000000.000
Locreviewd:	19890215000000.000	Proposedco:	19890215000000.000
Permitappr:	19890215000000.000	Actualcons:	Not Reported
Completion:	19880328000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	104	Screenbase:	114.599998474121
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	133256		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	US Environmental Protection		
Owneraddre:	6th Street & Walnut Street, Philadelphia, PA 19106 US		
Grouttop:	0	Groutbase:	98
Groutmater:	Bentonite	Graveltop:	103
Gravelbase:	120	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.59999990463257
Innercas01:	PVC	Site id:	DE1000000113195

S491
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000112364**

Objectid:	112364		
Permitnumb:	72647		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880202000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	11.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880112000000.000
Locreviewd:	19880112000000.000	Proposedco:	19880112000000.000
Permitappr:	19880112000000.000	Actualcons:	Not Reported
Completion:	19880202000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	1.5	Screenbase:	11.5
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	129815		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	477		
Wellcontra:	J E Fritts & Associates Inc		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	1.5
Groutmater:	Neat Cement	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	1.5
Innercas01:	PVC	Site id:	DE1000000112364

S492
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000112363**

Objectid:	112363		
Permitnumb:	72646		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880121000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	11.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880112000000.000
Locreviewd:	19880112000000.000	Proposedco:	19880112000000.000
Permitappr:	19880112000000.000	Actualcons:	Not Reported
Completion:	19880121000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	1.5	Screenbase:	11.5
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	132448		
X:	190390.796875	Y:	190835
Latitude:	39.71899		
Longitude:	-75.528737		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	477		
Wellcontra:	J E Fritts & Associates Inc		
Owner:	Volkswagon,		
Owneraddre:	Port Of Wilmington, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	1.5
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	1.5
Innercas01:	PVC	Site id:	DE1000000112363

P493
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123703**

Objectid:	123703		
Permitnumb:	217767		
Localwelli:	PS-SS-04-3	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4582076
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	114	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323519		
X:	191661	Y:	191078
Latitude:	39.721192		
Longitude:	-75.513922		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123703

P494
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123704**

Objectid:	123704		
Permitnumb:	217768		
Localwelli:	PS-SS-05-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4582076
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	114	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323520		
X:	191661	Y:	191078
Latitude:	39.721192		
Longitude:	-75.513922		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123704

P495 **DE WELLS** **DE1000000123701**
SE
1/2 - 1 Mile
Higher

Objectid:	123701		
Permitnumb:	217765		
Localwelli:	PS-SS-03-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4582076
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	114	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323517		
X:	191661	Y:	191078
Latitude:	39.721192		
Longitude:	-75.513922		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123701

P496
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123702**

Objectid:	123702		
Permitnumb:	217766		
Localwelli:	PS-SS-04-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4582076
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	114	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323518		
X:	191661	Y:	191078
Latitude:	39.721192		
Longitude:	-75.513922		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123702

P497
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123707**

Objectid:	123707		
Permitnumb:	217771		
Localwelli:	PS-SS-07-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4582076
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	114	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323523		
X:	191661	Y:	191078
Latitude:	39.721192		
Longitude:	-75.513922		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123707

P498 **DE WELLS** **DE1000000123708**
SE
1/2 - 1 Mile
Higher

Objectid:	123708		
Permitnumb:	217772		
Localwelli:	PS-SS-07-3	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4582076
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	114	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323524		
X:	191661	Y:	191078
Latitude:	39.721192		
Longitude:	-75.513922		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123708

P499
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123705**

Objectid:	123705		
Permitnumb:	217769		
Localwelli:	PS-SS-06-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4582076
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	114	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323521		
X:	191661	Y:	191078
Latitude:	39.721192		
Longitude:	-75.513922		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123705

P500 **DE WELLS** **DE1000000123706**
SE
1/2 - 1 Mile
Higher

Objectid:	123706		
Permitnumb:	217770		
Localwelli:	PS-SS-07-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4582076
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	114	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070117000000.000
Permitappr:	20070117000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323522		
X:	191661	Y:	191078
Latitude:	39.721192		
Longitude:	-75.513922		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123706

T501
NNW **DE WELLS** **DE1000000121617**
1/2 - 1 Mile
Lower

Objectid:	121617		
Permitnumb:	194751		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW06	Apprecdate:	20030707000000.000
Locreviewd:	20030707000000.000	Proposedco:	20030707000000.000
Permitappr:	20030707000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	76785		
X:	190489	Y:	192611
Latitude:	39.734987		
Longitude:	-75.527618		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Wright Partnership		
Owneraddre:	39 Stoney Run Road, Donald Wright, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000121617

T502
NNW **DE WELLS** **DE1000000121624**
1/2 - 1 Mile
Lower

Objectid:	121624		
Permitnumb:	194810		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW07	Apprecdate:	20030707000000.000
Locreviewd:	20030707000000.000	Proposedco:	20030707000000.000
Permitappr:	20030707000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	76821		
X:	190489	Y:	192611
Latitude:	39.734987		
Longitude:	-75.527618		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Wright Partnership		
Owneraddre:	39 Stoney Run Road, Donald Wright, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000121624

P503
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123675**

Objectid:	123675		
Permitnumb:	217739		
Localwelli:	P5-P2-04-3	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4574485
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	99	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323485		
X:	191622	Y:	191008
Latitude:	39.720561		
Longitude:	-75.514376		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123675

P504
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123676**

Objectid:	123676		
Permitnumb:	217740		
Localwelli:	P5-P2-05-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4574485
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	99	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323486		
X:	191622	Y:	191008
Latitude:	39.720561		
Longitude:	-75.514376		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123676

P505 **DE WELLS** **DE1000000123673**
SE
1/2 - 1 Mile
Higher

Objectid:	123673		
Permitnumb:	217737		
Localwelli:	P5-P2-03-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4574485
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	99	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323483		
X:	191622	Y:	191008
Latitude:	39.720561		
Longitude:	-75.514376		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123673

P506 **DE WELLS** **DE1000000123674**
SE
1/2 - 1 Mile
Higher

Objectid:	123674		
Permitnumb:	217738		
Localwelli:	P5-P2-04-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4574485
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	99	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323484		
X:	191622	Y:	191008
Latitude:	39.720561		
Longitude:	-75.514376		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123674

P507
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123679**

Objectid:	123679		
Permitnumb:	217743		
Localwelli:	P5-P2-04-2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4574485
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	99	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323489		
X:	191622	Y:	191008
Latitude:	39.720561		
Longitude:	-75.514376		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123679

P508 **DE WELLS** **DE1000000123680**
SE
1/2 - 1 Mile
Higher

Objectid:	123680		
Permitnumb:	217744		
Localwelli:	P5-P2-07-3	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4574485
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	99	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323490		
X:	191622	Y:	191008
Latitude:	39.720561		
Longitude:	-75.514376		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123680

P509 **DE WELLS** **DE1000000123677**
SE
1/2 - 1 Mile
Higher

Objectid:	123677		
Permitnumb:	217741		
Localwelli:	P5-P2-06-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4574485
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	99	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323487		
X:	191622	Y:	191008
Latitude:	39.720561		
Longitude:	-75.514376		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123677

P510
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000123678**

Objectid:	123678		
Permitnumb:	217742		
Localwelli:	P5-P2-07-1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	Not Reported	Wellauthco:	4574485
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	99	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070112000000.000
Locreviewd:	20070117000000.000	Proposedco:	20070119000000.000
Permitappr:	20070119000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323488		
X:	191622	Y:	191008
Latitude:	39.720561		
Longitude:	-75.514376		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123678

P511
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000132002**

Objectid:	132002		
Permitnumb:	218105		
Localwelli:	TTA-15B	Welltype:	Remediation I - Injection
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	3702181
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	90	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070111000000.000
Locreviewd:	20070207000000.000	Proposedco:	20070207000000.000
Permitappr:	20070208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	Yes	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	Yes	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	324308		
X:	191670	Y:	191063
Latitude:	39.721057		
Longitude:	-75.513817		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000132002

P512
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000132001**

Objectid:	132001		
Permitnumb:	218104		
Localwelli:	TTA- 15A	Welltype:	Remediation I - Injection
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	3702181
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	90	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070111000000.000
Locreviewd:	20070207000000.000	Proposedco:	20070207000000.000
Permitappr:	20070208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	Yes	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	Yes	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	324307		
X:	191670	Y:	191063
Latitude:	39.721057		
Longitude:	-75.513817		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000132001

P513 **DE WELLS** **DE1000000132004**
SE
1/2 - 1 Mile
Higher

Objectid:	132004		
Permitnumb:	218107		
Localwelli:	TTA-25B	Welltype:	Remediation I - Injection
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	3702181
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	90	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070111000000.000
Locreviewd:	20070207000000.000	Proposedco:	20070207000000.000
Permitappr:	20070208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	Yes	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	Yes	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	324310		
X:	191670	Y:	191063
Latitude:	39.721057		
Longitude:	-75.513817		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000132004

P514
SE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000132003**

Objectid:	132003		
Permitnumb:	218106		
Localwelli:	TTA-25A	Welltype:	Remediation I - Injection
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	3702181
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	90	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070111000000.000
Locreviewd:	20070207000000.000	Proposedco:	20070207000000.000
Permitappr:	20070208000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	Yes	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	Yes	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	324309		
X:	191670	Y:	191063
Latitude:	39.721057		
Longitude:	-75.513817		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000132003

U515 **DE WELLS** **DE1000000105455**
ENE
1/2 - 1 Mile
Lower

Objectid:	105455		
Permitnumb:	217871		
Localwelli:	GP-01	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4694540
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323745		
X:	191832	Y:	192091
Latitude:	39.730318		
Longitude:	-75.51194		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105455

U516 **DE WELLS** **DE1000000105456**
ENE
1/2 - 1 Mile
Lower

Objectid:	105456		
Permitnumb:	217872		
Localwelli:	GP-02	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4694540
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323746		
X:	191832	Y:	192091
Latitude:	39.730318		
Longitude:	-75.51194		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105456

U517 **DE WELLS** **DE1000000105457**
ENE
1/2 - 1 Mile
Lower

Objectid:	105457		
Permitnumb:	217873		
Localwelli:	GP-03	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4694540
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070122000000.000	Proposedco:	20070124000000.000
Permitappr:	20070124000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323747		
X:	191832	Y:	192091
Latitude:	39.730318		
Longitude:	-75.51194		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	508		
Wellcontra:	H P Drilling Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105457

V518
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108949**

Objectid:	108949		
Permitnumb:	245219		
Localwelli:	12ST - MW2	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-045.00-014
Septicperm:	Not Reported	Wellauthco:	4425899
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	6.46000003814697	Waterlevel:	20131212000000.000
Totaldepth:	15	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20131024000000.000
Locreviewd:	20131024000000.000	Proposedco:	20131030000000.000
Permitappr:	20131030000000.000	Actualcons:	Not Reported
Completion:	20131210000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1037720		
X:	190699.703125	Y:	192745.90625
Latitude:	39.736205		
Longitude:	-75.525161		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	State Of Delaware		
Owneraddre:	PO Box 8, Bear, DE 19701 US		
Grouttop:	0	Groutbase:	2.5
Groutmater:	Bentonite	Graveltop:	2.5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000108949

V519
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108939**

Objectid:	108939		
Permitnumb:	245223		
Localwelli:	12ST - MW6	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-045.00-014
Septicperm:	Not Reported	Wellauthco:	4425899
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	3.0699999332428	Waterlevel:	20131212000000.000
Totaldepth:	15	Totaldep00:	16
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20131024000000.000
Locreviewd:	20131024000000.000	Proposedco:	20131030000000.000
Permitappr:	20131030000000.000	Actualcons:	Not Reported
Completion:	20131210000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1037724		
X:	190699.703125	Y:	192745.90625
Latitude:	39.736205		
Longitude:	-75.525161		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	State Of Delaware		
Owneraddre:	PO Box 8, Bear, DE 19701 US		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000108939

V520
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108950**

Objectid:	108950		
Permitnumb:	245220		
Localwelli:	12ST - MW3	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-045.00-014
Septicperm:	Not Reported	Wellauthco:	4425899
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	3.21000003814697	Waterlevel:	20131212000000.000
Totaldepth:	15	Totaldep00:	8
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20131024000000.000
Locreviewd:	20131024000000.000	Proposedco:	20131030000000.000
Permitappr:	20131030000000.000	Actualcons:	Not Reported
Completion:	20131210000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	8
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1037721		
X:	190699.703125	Y:	192745.90625
Latitude:	39.736205		
Longitude:	-75.525161		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	State Of Delaware		
Owneraddre:	PO Box 8, Bear, DE 19701 US		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	8	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000108950

V521
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108952**

Objectid:	108952		
Permitnumb:	245222		
Localwelli:	12ST - MW5	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-045.00-014
Septicperm:	Not Reported	Wellauthco:	4425899
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	8.11999988555908	Waterlevel:	20131212000000.000
Totaldepth:	15	Totaldep00:	16
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20131024000000.000
Locreviewd:	20131024000000.000	Proposedco:	20131030000000.000
Permitappr:	20131030000000.000	Actualcons:	Not Reported
Completion:	20131210000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	15
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1037723		
X:	190699.703125	Y:	192745.90625
Latitude:	39.736205		
Longitude:	-75.525161		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	State Of Delaware		
Owneraddre:	PO Box 8, Bear, DE 19701 US		
Grouttop:	0	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	4
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	5
Innercas01:	PVC	Site id:	DE1000000108952

V522
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108951**

Objectid:	108951		
Permitnumb:	245221		
Localwelli:	12ST - MW4	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-045.00-014
Septicperm:	Not Reported	Wellauthco:	4425899
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	13.3400001525879	Waterlevel:	20131212000000.000
Totaldepth:	15	Totaldep00:	20
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20131024000000.000
Locreviewd:	20131024000000.000	Proposedco:	20131030000000.000
Permitappr:	20131030000000.000	Actualcons:	Not Reported
Completion:	20131210000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	9	Screenbase:	19
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1037722		
X:	190699.703125	Y:	192745.90625
Latitude:	39.736205		
Longitude:	-75.525161		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	State Of Delaware		
Owneraddre:	PO Box 8, Bear, DE 19701 US		
Grouttop:	0	Groutbase:	7
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	9
Innercas01:	PVC	Site id:	DE1000000108951

W523
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000118022**

Objectid:	118022		
Permitnumb:	160438		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19980911000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	44
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW 3	Apprecdate:	19980908000000.000
Locreviewd:	19980908000000.000	Proposedco:	19980908000000.000
Permitappr:	19980908000000.000	Actualcons:	Not Reported
Completion:	19980911000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	39	Screenbase:	44
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	100339		
X:	190142.203125	Y:	192477.90625
Latitude:	39.733785		
Longitude:	-75.53166		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	East 7th Street		
Owneraddre:	391 Lukens Drive, C/O DNREC, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	37
Groutmater:	Other	Graveltop:	37
Gravelbase:	44	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	39
Innercas01:	PVC	Site id:	DE1000000118022

X524
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105435**

Objectid:	105435		
Permitnumb:	217695		
Localwelli:	TTTA-2MW 1S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4156519
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323317		
X:	191967	Y:	191653
Latitude:	39.726374		
Longitude:	-75.51036		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105435

X525
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105436**

Objectid:	105436		
Permitnumb:	217696		
Localwelli:	TTTA-2 MW 2S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4156519
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323318		
X:	191967	Y:	191653
Latitude:	39.726374		
Longitude:	-75.51036		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105436

X526
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105434**

Objectid:	105434		
Permitnumb:	217694		
Localwelli:	TTTA-1MW 3S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4156519
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323316		
X:	191967	Y:	191653
Latitude:	39.726374		
Longitude:	-75.51036		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105434

X527
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105432**

Objectid:	105432		
Permitnumb:	217692		
Localwelli:	TTTA-1MW 1S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4156519
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323314		
X:	191967	Y:	191653
Latitude:	39.726374		
Longitude:	-75.51036		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105432

X528
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105433**

Objectid:	105433		
Permitnumb:	217693		
Localwelli:	TTTA-1MW 2S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4156519
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323315		
X:	191967	Y:	191653
Latitude:	39.726374		
Longitude:	-75.51036		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105433

X529
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105440**

Objectid:	105440		
Permitnumb:	217700		
Localwelli:	TTTA-1MW 6S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4156519
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323322		
X:	191967	Y:	191653
Latitude:	39.726374		
Longitude:	-75.51036		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105440

X530
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105441**

Objectid:	105441		
Permitnumb:	217701		
Localwelli:	TTTA-2MW 4S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4156519
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323323		
X:	191967	Y:	191653
Latitude:	39.726374		
Longitude:	-75.51036		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105441

X531
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105439**

Objectid:	105439		
Permitnumb:	217699		
Localwelli:	TTTA-1MW 5S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4156519
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323321		
X:	191967	Y:	191653
Latitude:	39.726374		
Longitude:	-75.51036		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105439

X532
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105437**

Objectid:	105437		
Permitnumb:	217697		
Localwelli:	TTTA-2 MW 3S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4156519
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323319		
X:	191967	Y:	191653
Latitude:	39.726374		
Longitude:	-75.51036		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105437

X533
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105438**

Objectid:	105438		
Permitnumb:	217698		
Localwelli:	TTTA-1MW 4S	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	Not Reported	Wellauthco:	4156519
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	100	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070109000000.000
Locreviewd:	20070110000000.000	Proposedco:	20070111000000.000
Permitappr:	20070111000000.000	Actualcons:	Not Reported
Completion:	20120604000000.000	Abandonrep:	20120307000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	323320		
X:	191967	Y:	191653
Latitude:	39.726374		
Longitude:	-75.51036		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	31		
Wellcontra:	AC Schultes Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105438

Y534
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133453**

Objectid:	133453		
Permitnumb:	230750		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-052.00-002
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	25	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100309000000.000
Locreviewd:	20100309000000.000	Proposedco:	20100309000000.000
Permitappr:	20100309000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	827249		
X:	190209	Y:	192580
Latitude:	39.734705		
Longitude:	-75.530879		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	1035		
Wellcontra:	Vironex Inc		
Owner:	Mitchalan Corp		
Owneraddre:	46 Lakewood Circle, Newark, DE 19711-2343 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133453

W535
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097868**

Objectid:	97868		
Permitnumb:	230747		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-052.00-002
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	25	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100309000000.000
Locreviewd:	20100309000000.000	Proposedco:	20100309000000.000
Permitappr:	20100309000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	827257		
X:	190194	Y:	192579
Latitude:	39.734696		
Longitude:	-75.531054		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	1035		
Wellcontra:	Vironex Inc		
Owner:	Mitchalan Corp		
Owneraddre:	46 Lakewood Circle, Newark, DE 19711-2343 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097868

W536
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097869**

Objectid:	97869		
Permitnumb:	230748		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-052.00-002
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	25	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100309000000.000
Locreviewd:	20100309000000.000	Proposedco:	20100309000000.000
Permitappr:	20100309000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	827258		
X:	190194	Y:	192579
Latitude:	39.734696		
Longitude:	-75.531054		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	1035		
Wellcontra:	Vironex Inc		
Owner:	Mitchalan Corp		
Owneraddre:	46 Lakewood Circle, Newark, DE 19711-2343 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097869

W537
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097870**

Objectid:	97870		
Permitnumb:	230749		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-052.00-002
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	25	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100309000000.000
Locreviewd:	20100309000000.000	Proposedco:	20100309000000.000
Permitappr:	20100309000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	827259		
X:	190194	Y:	192579
Latitude:	39.734696		
Longitude:	-75.531054		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	1035		
Wellcontra:	Vironex Inc		
Owner:	Mitchalan Corp		
Owneraddre:	46 Lakewood Circle, Newark, DE 19711-2343 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097870

Z538 **DE WELLS** **DE1000000121625**
NNW
1/2 - 1 Mile
Lower

Objectid:	121625		
Permitnumb:	194822		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW03	Apprecdate:	20030707000000.000
Locreviewd:	20030707000000.000	Proposedco:	20030707000000.000
Permitappr:	20030707000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	76822		
X:	190349	Y:	192726
Latitude:	39.736021		
Longitude:	-75.529252		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Eagle Construction		
Owneraddre:	39 Stoney Run Road, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000121625

Z539
NNW **DE WELLS** **DE1000000121618**
1/2 - 1 Mile
Lower

Objectid:	121618		
Permitnumb:	194752		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW02	Apprecdate:	20030707000000.000
Locreviewd:	20030707000000.000	Proposedco:	20030707000000.000
Permitappr:	20030707000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	76786		
X:	190349	Y:	192726
Latitude:	39.736021		
Longitude:	-75.529252		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Eagle Construction		
Owneraddre:	39 Stoney Run Road, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000121618

Z540
NNW **DE WELLS** **DE1000000121627**
1/2 - 1 Mile
Lower

Objectid:	121627		
Permitnumb:	194824		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW05	Apprecdate:	20030707000000.000
Locreviewd:	20030707000000.000	Proposedco:	20030707000000.000
Permitappr:	20030707000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	76824		
X:	190349	Y:	192726
Latitude:	39.736021		
Longitude:	-75.529252		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Eagle Construction		
Owneraddre:	39 Stoney Run Road, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000121627

Z541
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000121626**

Objectid:	121626		
Permitnumb:	194823		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW04	Apprecdate:	20030707000000.000
Locreviewd:	20030707000000.000	Proposedco:	20030707000000.000
Permitappr:	20030707000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	76823		
X:	190349	Y:	192726
Latitude:	39.736021		
Longitude:	-75.529252		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Eagle Construction		
Owneraddre:	39 Stoney Run Road, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000121626

Y542
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000121619**

Objectid:	121619		
Permitnumb:	194753		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW12	Apprecdate:	20030707000000.000
Locreviewd:	20030707000000.000	Proposedco:	20030707000000.000
Permitappr:	20030707000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	76787		
X:	190194	Y:	192639
Latitude:	39.735236		
Longitude:	-75.531059		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Wright Partnership		
Owneraddre:	39 Stoney Run Road, Donald Wright, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000121619

V543
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108948**

Objectid:	108948		
Permitnumb:	245218		
Localwelli:	12 8T-MW01	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-045.00-019
Septicperm:	Not Reported	Wellauthco:	4432098
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	20131212000000.000
Totaldepth:	15	Totaldep00:	16
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20131024000000.000
Locreviewd:	20131024000000.000	Proposedco:	20131028000000.000
Permitappr:	20131029000000.000	Actualcons:	Not Reported
Completion:	20131210000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	4	Screenbase:	14
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1037711		
X:	190634.203125	Y:	192840.296875
Latitude:	39.737054		
Longitude:	-75.525927		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Wilmington Economic Development Company		
Owneraddre:	100 West 10th Street Suite 706, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Bentonite	Graveltop:	3
Gravelbase:	14	Gravelmate:	Bentonite

Innercasin:	0	Innercas00:	4
Innercas01:	PVC	Site id:	DE1000000108948

AA544
NNE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133499**

Objectid:	133499		
Permitnumb:	231218		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-046.00-001
Septicperm:	n/a	Wellauthco:	5385279
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	28
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100426000000.000
Locreviewd:	20100427000000.000	Proposedco:	20100429000000.000
Permitappr:	20100429000000.000	Actualcons:	Not Reported
Completion:	20100607000000.000	Abandonrep:	20100505000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	829622		
X:	191492	Y:	192699
Latitude:	39.73579		
Longitude:	-75.515914		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5317		
Wellcontra:	Enviroprobe Service Inc		
Owner:	Delaware Department Of Transportation/ City Of Wilmington		
Owneraddre:	800 Bay Road, PO Box 778, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133499

AA545
NNE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107553**

Objectid:	107553		
Permitnumb:	231223		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-046.00-001
Septicperm:	n/a	Wellauthco:	5049906
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	1
Pumpratedc:	0		
Pumptestti:	1		
Pumpingwat:	13	Retainwell:	N
Staticwate:	7	Waterlevel:	20100519000000.000
Totaldepth:	40	Totaldep00:	14
Welltermun:	-3	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100426000000.000
Locreviewd:	20100427000000.000	Proposedco:	20100429000000.000
Permitappr:	20100429000000.000	Actualcons:	Not Reported
Completion:	20100514000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	14
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	829632		
X:	191534	Y:	192674
Latitude:	39.735566		
Longitude:	-75.515424		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5317		
Wellcontra:	Enviroprobe Service Inc		
Owner:	Delaware Department Of Transportation/ City Of Wilmington		
Owneraddre:	800 Bay Road, PO Box 778, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	6
Groutmater:	Bentonite	Graveltop:	6
Gravelbase:	14	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000107553

AA546
NNE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133500**

Objectid:	133500		
Permitnumb:	231219		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-046.00-001
Septicperm:	n/a	Wellauthco:	4581341
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	16
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100426000000.000
Locreviewd:	20100427000000.000	Proposedco:	20100429000000.000
Permitappr:	20100429000000.000	Actualcons:	Not Reported
Completion:	20100602000000.000	Abandonrep:	20100602000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	829625		
X:	191521	Y:	192683
Latitude:	39.735647		
Longitude:	-75.515575		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5317		
Wellcontra:	Enviroprobe Service Inc		
Owner:	Delaware Department Of Transportation/ City Of Wilmington		
Owneraddre:	800 Bay Road, PO Box 778, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133500

AB547
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105306**

Objectid:	105306		
Permitnumb:	216979		
Localwelli:	P-201	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	7001407
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321258		
X:	192024	Y:	191369
Latitude:	39.723817		
Longitude:	-75.509692		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105306

AB548
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105307**

Objectid:	105307		
Permitnumb:	216980		
Localwelli:	P-202	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	7001407
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321259		
X:	192024	Y:	191369
Latitude:	39.723817		
Longitude:	-75.509692		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105307

AA549
NE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107557**

Objectid:	107557		
Permitnumb:	231293		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-046.00-001
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	62	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100430000000.000
Locreviewd:	20100503000000.000	Proposedco:	20100507000000.000
Permitappr:	20100507000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	830008		
X:	191570	Y:	192656
Latitude:	39.735404		
Longitude:	-75.515004		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5317		
Wellcontra:	Enviroprobe Service Inc		
Owner:	Delaware Department Of Transportation/ City Of Wilmington		
Owneraddre:	800 Bay Road, PO Box 778, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107557

AC550
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000121616**

Objectid:	121616		
Permitnumb:	194750		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-01	Apprecdate:	20030707000000.000
Locreviewd:	20030707000000.000	Proposedco:	20030707000000.000
Permitappr:	20030707000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	76784		
X:	190490	Y:	192831
Latitude:	39.736969		
Longitude:	-75.527609		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Smith, Francis X		
Owneraddre:	4921 Governor Printz Boulevard, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000121616

AA551
NNE **DE WELLS** **DE1000000133497**
1/2 - 1 Mile
Lower

Objectid:	133497		
Permitnumb:	231213		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-046.00-001
Septicperm:	n/a	Wellauthco:	5052629
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	24
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100426000000.000
Locreviewd:	20100427000000.000	Proposedco:	20100429000000.000
Permitappr:	20100429000000.000	Actualcons:	Not Reported
Completion:	20100518000000.000	Abandonrep:	20100518000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	829616		
X:	191517	Y:	192715
Latitude:	39.735935		
Longitude:	-75.515623		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5317		
Wellcontra:	Enviroprobe Service Inc		
Owner:	Delaware Department Of Transportation/ City Of Wilmington		
Owneraddre:	800 Bay Road, PO Box 778, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133497

AA552
NNE **DE WELLS** **DE1000000133501**
1/2 - 1 Mile
Lower

Objectid:	133501		
Permitnumb:	231221		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-046.00-001
Septicperm:	n/a	Wellauthco:	4743843
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	28
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100426000000.000
Locreviewd:	20100427000000.000	Proposedco:	20100429000000.000
Permitappr:	20100429000000.000	Actualcons:	Not Reported
Completion:	20100607000000.000	Abandonrep:	20100511000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	829629		
X:	191548	Y:	192699
Latitude:	39.735791		
Longitude:	-75.515261		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5317		
Wellcontra:	Enviroprobe Service Inc		
Owner:	Delaware Department Of Transportation/ City Of Wilmington		
Owneraddre:	800 Bay Road, PO Box 778, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133501

553
ESE **DE WELLS** **DE1000000013978**
1/2 - 1 Mile
Higher

Objectid:	13978		
Permitnumb:	217240		
Localwelli:	Not Reported	Welltype:	Dewater - Standard
Dgsid:	Not Reported	Taxid:	06-053.00-003
Septicperm:	Not Reported	Wellauthco:	5605431
Wellstatus:	Issued		
Estmaxcapa:	275		
Estdailyus:	49500		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Other	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061127000000.000
Locreviewd:	20061128000000.000	Proposedco:	20061129000000.000
Permitappr:	20061129000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	Yes	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	Yes	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	Yes	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	322049		
X:	191893	Y:	191022
Latitude:	39.72069		
Longitude:	-75.511215		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5257		
Wellcontra:	Doug Trencher		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000013978

AD554
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098503**

Objectid:	98503		
Permitnumb:	243972		
Localwelli:	dd mw03	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3348966
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	5.5	Waterlevel:	20130816000000.000
Totaldepth:	12	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130625000000.000
Permitappr:	20130625000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1027063		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000098503

AD555
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098504**

Objectid:	98504		
Permitnumb:	243973		
Localwelli:	dd mw04	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3348966
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	5.11999988555908	Waterlevel:	20130816000000.000
Totaldepth:	12	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130625000000.000
Permitappr:	20130625000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1027064		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000098504

AD556
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098505**

Objectid:	98505		
Permitnumb:	243974		
Localwelli:	dd mw05	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3348966
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	6.46999979019165	Waterlevel:	20130816000000.000
Totaldepth:	12	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130625000000.000
Permitappr:	20130625000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1027065		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000098505

AD557
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098490**

Objectid:	98490		
Permitnumb:	243982		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3342514
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	4.55999994277954	Waterlevel:	20130816000000.000
Totaldepth:	12	Totaldep00:	12
Welltermun:	36	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130627000000.000
Permitappr:	20130627000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1027075		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000098490

AD558
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098501**

Objectid:	98501		
Permitnumb:	243970		
Localwelli:	dd mw01	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3348966
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	5.51999998092651	Waterlevel:	20130816000000.000
Totaldepth:	12	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130625000000.000
Permitappr:	20130625000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1027061		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000098501

AD559
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098502**

Objectid:	98502		
Permitnumb:	243971		
Localwelli:	dd mw02	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3348966
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	5.28000020980835	Waterlevel:	20130816000000.000
Totaldepth:	12	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130625000000.000
Permitappr:	20130625000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1027062		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000098502

AD560
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098506**

Objectid:	98506		
Permitnumb:	243975		
Localwelli:	dd mw06	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3348966
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	5.09000015258789	Waterlevel:	20130816000000.000
Totaldepth:	12	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130625000000.000
Permitappr:	20130625000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1027066		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000098506

AD561
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098510**

Objectid:	98510		
Permitnumb:	243979		
Localwelli:	dd mw10	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3348966
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130625000000.000
Permitappr:	20130625000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	1027070		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000098510

AD562
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098511**

Objectid:	98511		
Permitnumb:	243980		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3342514
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	20130816000000.000
Totaldepth:	12	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130627000000.000
Permitappr:	20130627000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1027073		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000098511

AD563
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098512**

Objectid:	98512		
Permitnumb:	243981		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3342514
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	2.0699999332428	Waterlevel:	20130816000000.000
Totaldepth:	12	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130627000000.000
Permitappr:	20130627000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1027074		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000098512

AD564
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098507**

Objectid:	98507		
Permitnumb:	243976		
Localwelli:	dd mw07	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3348966
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	20130816000000.000
Totaldepth:	12	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130625000000.000
Permitappr:	20130625000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1027067		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000098507

AD565
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098508**

Objectid:	98508		
Permitnumb:	243977		
Localwelli:	dd mw08	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3348966
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	20130816000000.000
Totaldepth:	12	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130625000000.000
Permitappr:	20130625000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1027068		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000098508

AD566
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000098509**

Objectid:	98509		
Permitnumb:	243978		
Localwelli:	dd mw09	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-014
Septicperm:	Not Reported	Wellauthco:	3348966
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130620000000.000
Locreviewd:	20130620000000.000	Proposedco:	20130625000000.000
Permitappr:	20130625000000.000	Actualcons:	Not Reported
Completion:	20130814000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	1027069		
X:	189697.296875	Y:	191393
Latitude:	39.724008		
Longitude:	-75.536834		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	ALMA Properties LLC		
Owneraddre:	529 Terminal Avenue, Attn: Mary Thomas, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000098509

AA567
NNE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133498**

Objectid:	133498		
Permitnumb:	231217		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-046.00-001
Septicperm:	n/a	Wellauthco:	5293806
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	24
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100426000000.000
Locreviewd:	20100427000000.000	Proposedco:	20100429000000.000
Permitappr:	20100429000000.000	Actualcons:	Not Reported
Completion:	20100607000000.000	Abandonrep:	20100517000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	829619		
X:	191541	Y:	192721
Latitude:	39.735989		
Longitude:	-75.515343		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5317		
Wellcontra:	Enviroprobe Service Inc		
Owner:	Delaware Department Of Transportation/ City Of Wilmington		
Owneraddre:	800 Bay Road, PO Box 778, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133498

AB568
ESE **DE WELLS** **DE1000000105299**
1/2 - 1 Mile
Higher

Objectid:	105299		
Permitnumb:	216972		
Localwelli:	P-102B	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	6995688
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321237		
X:	192070	Y:	191390
Latitude:	39.724006		
Longitude:	-75.509156		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105299

AB569
ESE **DE WELLS** **DE1000000105300**
1/2 - 1 Mile
Higher

Objectid:	105300		
Permitnumb:	216973		
Localwelli:	LC-102A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	6995688
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321238		
X:	192070	Y:	191390
Latitude:	39.724006		
Longitude:	-75.509156		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105300

AB570
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105298**

Objectid:	105298		
Permitnumb:	216971		
Localwelli:	UC-102B	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	6995688
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321236		
X:	192070	Y:	191390
Latitude:	39.724006		
Longitude:	-75.509156		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105298

AB571
ESE **DE WELLS** **DE1000000105296**
1/2 - 1 Mile
Higher

Objectid:	105296		
Permitnumb:	216969		
Localwelli:	P-101B	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	6995688
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321234		
X:	192070	Y:	191390
Latitude:	39.724006		
Longitude:	-75.509156		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105296

AB572
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105297**

Objectid:	105297		
Permitnumb:	216970		
Localwelli:	UC-101B	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	6995688
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321235		
X:	192070	Y:	191390
Latitude:	39.724006		
Longitude:	-75.509156		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105297

AB573
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105304**

Objectid:	105304		
Permitnumb:	216977		
Localwelli:	P-105A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	6995688
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321242		
X:	192070	Y:	191390
Latitude:	39.724006		
Longitude:	-75.509156		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105304

AB574
ESE
1/2 - 1 Mile
Higher

DE WELLS **DE1000000105305**

Objectid:	105305		
Permitnumb:	216978		
Localwelli:	LC-105A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	6995688
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321243		
X:	192070	Y:	191390
Latitude:	39.724006		
Longitude:	-75.509156		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105305

AB575
ESE **DE WELLS** **DE1000000105303**
1/2 - 1 Mile
Higher

Objectid:	105303		
Permitnumb:	216976		
Localwelli:	UC-108A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	6995688
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321241		
X:	192070	Y:	191390
Latitude:	39.724006		
Longitude:	-75.509156		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105303

AB576
ESE **DE WELLS** **DE1000000105301**
1/2 - 1 Mile
Higher

Objectid:	105301		
Permitnumb:	216974		
Localwelli:	LC-115A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	6995688
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321239		
X:	192070	Y:	191390
Latitude:	39.724006		
Longitude:	-75.509156		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105301

AB577
ESE **DE WELLS** **DE1000000105302**
1/2 - 1 Mile
Higher

Objectid:	105302		
Permitnumb:	216975		
Localwelli:	P-108A	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	6995688
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20061030000000.000
Locreviewd:	20061031000000.000	Proposedco:	20061101000000.000
Permitappr:	20061101000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	321240		
X:	192070	Y:	191390
Latitude:	39.724006		
Longitude:	-75.509156		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105302

AE578
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119386**

Objectid:	119386		
Permitnumb:	173170		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20000809000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	20000809000000.000
Totaldepth:	0	Totaldep00:	8
Welltermun:	12	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	PW-2	Apprecdate:	20000706000000.000
Locreviewd:	20000706000000.000	Proposedco:	20000706000000.000
Permitappr:	20000706000000.000	Actualcons:	Not Reported
Completion:	20000809000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2.5	Screenbase:	7.5
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	65118		
X:	189746	Y:	191205
Latitude:	39.722315		
Longitude:	-75.536263		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	FA Potts & Co Inc		
Owneraddre:	PO Box 1470, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	8	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000119386

AE579
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119385**

Objectid:	119385		
Permitnumb:	173169		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20000811000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	16
Welltermun:	12	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	PW-1	Apprecdate:	20000706000000.000
Locreviewd:	20000706000000.000	Proposedco:	20000706000000.000
Permitappr:	20000706000000.000	Actualcons:	Not Reported
Completion:	20000811000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	14.5
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	65117		
X:	189746	Y:	191205
Latitude:	39.722315		
Longitude:	-75.536263		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	FA Potts & Co Inc		
Owneraddre:	PO Box 1470, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	16	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000119385

AE580
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119388**

Objectid:	119388		
Permitnumb:	173172		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20000809000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	14
Welltermun:	12	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	PW-4	Apprecdate:	20000706000000.000
Locreviewd:	20000706000000.000	Proposedco:	20000706000000.000
Permitappr:	20000706000000.000	Actualcons:	Not Reported
Completion:	20000809000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2.20000004768372	Screenbase:	12.1999998092651
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	65120		
X:	189746	Y:	191205
Latitude:	39.722315		
Longitude:	-75.536263		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	FA Potts & Co Inc		
Owneraddre:	PO Box 1470, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	14	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2.20000004768372
Innercas01:	PVC	Site id:	DE1000000119388

AE581
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119387**

Objectid:	119387		
Permitnumb:	173171		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20000810000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	14
Welltermun:	12	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	PW-3	Apprecdate:	20000706000000.000
Locreviewd:	20000706000000.000	Proposedco:	20000706000000.000
Permitappr:	20000706000000.000	Actualcons:	Not Reported
Completion:	20000810000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	10.5
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	65119		
X:	189746	Y:	191205
Latitude:	39.722315		
Longitude:	-75.536263		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	FA Potts & Co Inc		
Owneraddre:	PO Box 1470, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	14	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000119387

Z582
NNW **DE WELLS** **DE1000000118023**
1/2 - 1 Mile
Lower

Objectid:	118023		
Permitnumb:	160439		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW 4	Apprecdate:	19980908000000.000
Locreviewd:	19980908000000.000	Proposedco:	19980908000000.000
Permitappr:	19980908000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	100340		
X:	190313.703125	Y:	192786.5
Latitude:	39.736566		
Longitude:	-75.529664		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Ed & Sons Salvage		
Owneraddre:	7th Street & D Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000118023

AF583
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122441**

Objectid:	122441		
Permitnumb:	201490		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20041105000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	76.5
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	W-4B	Apprecdate:	20040525000000.000
Locreviewd:	20040525000000.000	Proposedco:	20040525000000.000
Permitappr:	20040525000000.000	Actualcons:	Not Reported
Completion:	20041105000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	65.5	Screenbase:	75.5
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	80233		
X:	189863	Y:	190980
Latitude:	39.72029		
Longitude:	-75.534895		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	FA Potts & Co Inc		
Owneraddre:	PO Box 1470, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	62
Groutmater:	Bentonite	Graveltop:	62
Gravelbase:	76.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	65.5
Innercas01:	PVC	Site id:	DE1000000122441

AG584
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000121615**

Objectid:	121615		
Permitnumb:	194749		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW10	Apprecdate:	20030707000000.000
Locreviewd:	20030707000000.000	Proposedco:	20030707000000.000
Permitappr:	20030707000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	76783		
X:	190130	Y:	192683
Latitude:	39.735632		
Longitude:	-75.531807		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Wilmington UDAG Corporation		
Owneraddre:	800 French Street, 3rd Floor, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000121615

AA585
NNE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133496**

Objectid:	133496		
Permitnumb:	231208		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-046.00-001
Septicperm:	n/a	Wellauthco:	5649412
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	16
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100426000000.000
Locreviewd:	20100427000000.000	Proposedco:	20100429000000.000
Permitappr:	20100429000000.000	Actualcons:	Not Reported
Completion:	20100607000000.000	Abandonrep:	20100607000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	829610		
X:	191547	Y:	192750
Latitude:	39.73625		
Longitude:	-75.515273		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5317		
Wellcontra:	Enviroprobe Service Inc		
Owner:	Delaware Department Of Transportation/ City Of Wilmington		
Owneraddre:	800 Bay Road, PO Box 778, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133496

586
East
1/2 - 1 Mile
Higher

DE WELLS **DE1000000120015**

Objectid:	120015		
Permitnumb:	178585		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	94
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	LC-102	Apprecdate:	20010510000000.000
Locreviewd:	20010510000000.000	Proposedco:	20010510000000.000
Permitappr:	20010510000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	68048		
X:	192143	Y:	191660
Latitude:	39.726439		
Longitude:	-75.508311		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000120015

AH587
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122899**

Objectid:	122899		
Permitnumb:	204944		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	24	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW03-MW04	Apprecdate:	20041022000000.000
Locreviewd:	20041022000000.000	Proposedco:	20041022000000.000
Permitappr:	20041022000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	82195		
X:	190225	Y:	192770
Latitude:	39.736416		
Longitude:	-75.5307		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Ed & Sons Salvage		
Owneraddre:	7th Street & D Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000122899

AH588
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122975**

Objectid:	122975		
Permitnumb:	205478		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	24	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW04	Apprecdate:	20041022000000.000
Locreviewd:	20041022000000.000	Proposedco:	20041022000000.000
Permitappr:	20041022000000.000	Actualcons:	Not Reported
Completion:	20120416000000.000	Abandonrep:	20120203000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	82482		
X:	190225	Y:	192770
Latitude:	39.736416		
Longitude:	-75.5307		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Ed & Sons Salvage		
Owneraddre:	7th Street & D Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000122975

589
SE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108531**

Objectid:	108531		
Permitnumb:	242060		
Localwelli:	LC-114	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-065.00-002
Septicperm:	n/a	Wellauthco:	4190484
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20130127000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	140	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Y	Replacedwe:	no records
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	LC-114	Apprecdate:	20130110122142.000
Locreviewd:	20130110122142.000	Proposedco:	20130123000000.000
Permitappr:	20130123000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	1014600		
X:	191827.40625	Y:	190848.5
Latitude:	39.719127		
Longitude:	-75.511982		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	1042		
Wellcontra:	Hillis-Carnes Engineering Associates Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000108531

AI590
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107583**

Objectid:	107583		
Permitnumb:	231328		
Localwelli:	GW-04	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20100520000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-04	Apprecdate:	20100505112548.000
Locreviewd:	20100505112548.000	Proposedco:	20100513000000.000
Permitappr:	20100513000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	830262		
X:	190110.703125	Y:	190666.296875
Latitude:	39.717468		
Longitude:	-75.532001		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107583

AI591
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107584**

Objectid:	107584		
Permitnumb:	231329		
Localwelli:	GW-05	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20100520000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-05	Apprecdate:	20100505112605.000
Locreviewd:	20100505112605.000	Proposedco:	20100513000000.000
Permitappr:	20100513000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	830263		
X:	190110.703125	Y:	190666.296875
Latitude:	39.717468		
Longitude:	-75.532001		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107584

AI592
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107582**

Objectid:	107582		
Permitnumb:	231327		
Localwelli:	GW-03	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20100520000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-03	Apprecdate:	20100505112544.000
Locreviewd:	20100505112544.000	Proposedco:	20100513000000.000
Permitappr:	20100513000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	830261		
X:	190110.703125	Y:	190666.296875
Latitude:	39.717468		
Longitude:	-75.532001		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107582

AI593
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107559**

Objectid:	107559		
Permitnumb:	231325		
Localwelli:	GW-01	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20100520000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-01	Apprecdate:	20100505112514.000
Locreviewd:	20100505112514.000	Proposedco:	20100513000000.000
Permitappr:	20100513000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	830259		
X:	190110.703125	Y:	190666.296875
Latitude:	39.717468		
Longitude:	-75.532001		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107559

AI594
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107560**

Objectid:	107560		
Permitnumb:	231326		
Localwelli:	GW-02	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20100520000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-02	Apprecdate:	20100505112541.000
Locreviewd:	20100505112541.000	Proposedco:	20100513000000.000
Permitappr:	20100513000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	830260		
X:	190110.703125	Y:	190666.296875
Latitude:	39.717468		
Longitude:	-75.532001		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107560

AI595
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107588**

Objectid:	107588		
Permitnumb:	231333		
Localwelli:	GW-09	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20100520000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-09	Apprecdate:	20100505112616.000
Locreviewd:	20100505112616.000	Proposedco:	20100513000000.000
Permitappr:	20100513000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	830267		
X:	190110.703125	Y:	190666.296875
Latitude:	39.717468		
Longitude:	-75.532001		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107588

AI596
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107589**

Objectid:	107589		
Permitnumb:	231334		
Localwelli:	GW-10	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20100520000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-10	Apprecdate:	20100505112620.000
Locreviewd:	20100505112620.000	Proposedco:	20100513000000.000
Permitappr:	20100513000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	830268		
X:	190110.703125	Y:	190666.296875
Latitude:	39.717468		
Longitude:	-75.532001		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107589

AI597
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107587**

Objectid:	107587		
Permitnumb:	231332		
Localwelli:	GW-08	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20100520000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-08	Apprecdate:	20100505112614.000
Locreviewd:	20100505112614.000	Proposedco:	20100513000000.000
Permitappr:	20100513000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	830266		
X:	190110.703125	Y:	190666.296875
Latitude:	39.717468		
Longitude:	-75.532001		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107587

AI598
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107585**

Objectid:	107585		
Permitnumb:	231330		
Localwelli:	GW-06	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20100520000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-06	Apprecdate:	20100505112608.000
Locreviewd:	20100505112608.000	Proposedco:	20100513000000.000
Permitappr:	20100513000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	830264		
X:	190110.703125	Y:	190666.296875
Latitude:	39.717468		
Longitude:	-75.532001		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107585

AI599
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107586**

Objectid:	107586		
Permitnumb:	231331		
Localwelli:	GW-07	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20100520000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-07	Apprecdate:	20100505112611.000
Locreviewd:	20100505112611.000	Proposedco:	20100513000000.000
Permitappr:	20100513000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	830265		
X:	190110.703125	Y:	190666.296875
Latitude:	39.717468		
Longitude:	-75.532001		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107586

AG600
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122898**

Objectid:	122898		
Permitnumb:	204943		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	24	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW05-MW06	Apprecdate:	20041022000000.000
Locreviewd:	20041022000000.000	Proposedco:	20041022000000.000
Permitappr:	20041022000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	82194		
X:	190142	Y:	192738
Latitude:	39.736127		
Longitude:	-75.531667		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Ed & Sons Salvage		
Owneraddre:	7th Street & D Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000122898

AG601
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122977**

Objectid:	122977		
Permitnumb:	205480		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	24	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW06	Apprecdate:	20041022000000.000
Locreviewd:	20041022000000.000	Proposedco:	20041022000000.000
Permitappr:	20041022000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	82484		
X:	190142	Y:	192738
Latitude:	39.736127		
Longitude:	-75.531667		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Ed & Sons Salvage		
Owneraddre:	7th Street & D Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000122977

AC602
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000120619**

Objectid:	120619		
Permitnumb:	184688		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20020320000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	24
Welltermun:	4	Welltermin:	Pitless Adaptor
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW-2	Apprecdate:	20020312000000.000
Locreviewd:	20020312000000.000	Proposedco:	20020312000000.000
Permitappr:	20020312000000.000	Actualcons:	Not Reported
Completion:	20020320000000.000	Abandonrep:	20101102000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	14	Screenbase:	24
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	71378		
X:	190437	Y:	192894
Latitude:	39.737535		
Longitude:	-75.528228		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	EDIS		
Owneraddre:	110 South Poplar Street, Suite 400, Wilmington, DE 19805 US		
Grouttop:	0	Groutbase:	12
Groutmater:	Bentonite	Graveltop:	12
Gravelbase:	24	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	14
Innercas01:	PVC	Site id:	DE1000000120619

AJ603
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000103825**

Objectid:	103825		
Permitnumb:	208440		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-005
Septicperm:	Not Reported	Wellauthco:	1117KUQ3
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	YES	Estconstru:	20050119000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	NONE
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20060125132254.000
Totaldepth:	72	Totaldep00:	73
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	IMW-2	Apprecdate:	20050119000000.000
Locreviewd:	20050201000000.000	Proposedco:	20050204000000.000
Permitappr:	20050204000000.000	Actualcons:	Not Reported
Completion:	20051117000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	61	Screenbase:	71
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	48717		
X:	189954	Y:	190793
Latitude:	39.718607		
Longitude:	-75.533826		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Fa Potts		
Owneraddre:	935 West Market Street, Pottsville, PA 17901 US		
Grouttop:	0	Groutbase:	58
Groutmater:	Bentonite	Graveltop:	58
Gravelbase:	73	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	61
Innercas01:	PVC	Site id:	DE1000000103825

AI604
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097936**

Objectid:	97936		
Permitnumb:	232018		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	n/a	Wellauthco:	5947329
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	5.09999990463257	Waterlevel:	20100707000000.000
Totaldepth:	9	Totaldep00:	8
Welltermun:	24	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100706000000.000
Locreviewd:	20100706000000.000	Proposedco:	20100706000000.000
Permitappr:	20100706000000.000	Actualcons:	Not Reported
Completion:	20100802000000.000	Abandonrep:	20101004000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	8
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	891919		
X:	190146	Y:	190623
Latitude:	39.717078		
Longitude:	-75.531585		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	8	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000097936

AI605
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097937**

Objectid:	97937		
Permitnumb:	232019		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	n/a	Wellauthco:	5947329
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	7	Waterlevel:	20100707000000.000
Totaldepth:	9	Totaldep00:	8
Welltermun:	24	Welltermin:	None
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100706000000.000
Locreviewd:	20100706000000.000	Proposedco:	20100706000000.000
Permitappr:	20100706000000.000	Actualcons:	Not Reported
Completion:	20100802000000.000	Abandonrep:	20101004000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	6	Screenbase:	8
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	891920		
X:	190146	Y:	190623
Latitude:	39.717078		
Longitude:	-75.531585		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	4
Gravelbase:	8	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	6
Innercas01:	PVC	Site id:	DE1000000097937

AI606
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097938**

Objectid:	97938		
Permitnumb:	232020		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-066.00-001
Septicperm:	n/a	Wellauthco:	5947329
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	7	Waterlevel:	20100707000000.000
Totaldepth:	9	Totaldep00:	12
Welltermun:	24	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100706000000.000
Locreviewd:	20100706000000.000	Proposedco:	20100706000000.000
Permitappr:	20100706000000.000	Actualcons:	Not Reported
Completion:	20100802000000.000	Abandonrep:	20101004000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	6	Screenbase:	11
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	891921		
X:	190146	Y:	190623
Latitude:	39.717078		
Longitude:	-75.531585		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	701 Port LLC		
Owneraddre:	701 Grantham Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	4
Gravelbase:	11	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	6
Innercas01:	PVC	Site id:	DE1000000097938

AF607
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231759**

Org. Identifier:	USGS-MD		
Formal name:	USGS Maryland Water Science Center		
Monloc Identifier:	USGS-394313075321001		
Monloc name:	SMW-02		
Monloc type:	Well		
Monloc desc:	WELL USED IN STUDY BY USGS FOR EPA, 1990, HALBY		
Huc code:	02040205	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.7203911
Longitude:	-75.5357552	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Columbia Group		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	42
Welldepth units:	ft	Wellholedepth:	42
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1990-06-28	3.53		1990-06-14	3.37	
1989-05-04	6.90				

AK608
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119618**

Objectid:	119618		
Permitnumb:	175377		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20001106000000.000
Proposeddr:	Augered	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	10.5	Waterlevel:	20001106000000.000
Totaldepth:	0	Totaldep00:	19
Welltermun:	30	Welltermin:	Other
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	TSMW-1	Apprecdate:	20001106000000.000
Locreviewd:	20001106000000.000	Proposedco:	20001106000000.000
Permitappr:	20001106000000.000	Actualcons:	Not Reported
Completion:	20001106000000.000	Abandonrep:	20070628000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	9	Screenbase:	19
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	66284		
X:	190370	Y:	192898
Latitude:	39.737571		
Longitude:	-75.52901		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	EDIS		
Owneraddre:	110 South Poplar Street, Suite 400, Wilmington, DE 19805 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	7
Gravelbase:	19	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	9
Innercas01:	PVC	Site id:	DE1000000119618

AK609
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119619**

Objectid:	119619		
Permitnumb:	175378		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	BAMW-2	Apprecdate:	20001106000000.000
Locreviewd:	20001106000000.000	Proposedco:	20001106000000.000
Permitappr:	20001106000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	66285		
X:	190370	Y:	192898
Latitude:	39.737571		
Longitude:	-75.52901		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	EDIS		
Owneraddre:	110 South Poplar Street, Suite 400, Wilmington, DE 19805 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000119619

AK610
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119620**

Objectid:	119620		
Permitnumb:	175379		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	VMW-3	Apprecdate:	20001106000000.000
Locreviewd:	20001106000000.000	Proposedco:	20001106000000.000
Permitappr:	20001106000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	66286		
X:	190370	Y:	192898
Latitude:	39.737571		
Longitude:	-75.52901		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	EDIS		
Owneraddre:	110 South Poplar Street, Suite 400, Wilmington, DE 19805 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000119620

AJ611
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122442**

Objectid:	122442		
Permitnumb:	201491		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20041105000000.000
Proposeddr:	Augered	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	115
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	DMW-7	Apprecdate:	20040525000000.000
Locreviewd:	20040525000000.000	Proposedco:	20040525000000.000
Permitappr:	20040525000000.000	Actualcons:	Not Reported
Completion:	20041105000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	103	Screenbase:	113
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	80234		
X:	189871	Y:	190849
Latitude:	39.71911		
Longitude:	-75.5348		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	F A Potts		
Owneraddre:	935 West Market Street, Pottsville, PA 17901 US		
Grouttop:	0	Groutbase:	98
Groutmater:	Bentonite	Graveltop:	98
Gravelbase:	115	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	103
Innercas01:	PVC	Site id:	DE1000000122442

AJ612
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000103894**

Objectid:	103894		
Permitnumb:	208827		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-005
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	YES	Estconstru:	20050222000000.000
Proposeddr:	Augered	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	NONE
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050413140656.000
Totaldepth:	72	Totaldep00:	40
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	SMW-2	Apprecdate:	20050216000000.000
Locreviewd:	20050216000000.000	Proposedco:	20050216000000.000
Permitappr:	20050216000000.000	Actualcons:	Not Reported
Completion:	20050216000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	28.2000007629395	Screenbase:	38.2000007629395
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	48871		
X:	189893	Y:	190822
Latitude:	39.718867		
Longitude:	-75.534538		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Fa Potts		
Owneraddre:	935 West Market Street, Pottsville, PA 17901 US		
Grouttop:	0	Groutbase:	40
Groutmater:	Gravel	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	28.2000007629395
Innercas01:	PVC	Site id:	DE1000000103894

AJ613
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000103895**

Objectid:	103895		
Permitnumb:	208828		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-005
Septicperm:	Not Reported	Wellauthco:	0216XZ0E
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050216000000.000
Proposeddr:	Augered	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050413135829.000
Totaldepth:	72	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	W-4C	Apprecdate:	20050216000000.000
Locreviewd:	20050216000000.000	Proposedco:	20050216000000.000
Permitappr:	20050216000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	48872		
X:	189893	Y:	190822
Latitude:	39.718867		
Longitude:	-75.534538		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Fa Potts		
Owneraddre:	935 West Market Street, Pottsville, PA 17901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000103895

AL614
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000104063**

Objectid:	104063		
Permitnumb:	209829		
Localwelli:	0	Welltype:	Monitor - Standard
Dgsid:	0	Taxid:	26-051.00-023
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050504000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	20050504000000.000
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	MW-1	Apprecdate:	20050503000000.000
Locreviewd:	20050504000000.000	Proposedco:	20050505000000.000
Permitappr:	20050505000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	309976		
X:	189861	Y:	192532
Latitude:	39.734268		
Longitude:	-75.534938		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Waterfront Enterprises LLC		
Owneraddre:	30 Commerce Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000104063

AL615
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000104064**

Objectid:	104064		
Permitnumb:	209830		
Localwelli:	0	Welltype:	Monitor - Standard
Dgsid:	0	Taxid:	26-051.00-023
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050504000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	20050504000000.000
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	MW-1A	Apprecdate:	20050503000000.000
Locreviewd:	20050504000000.000	Proposedco:	20050505000000.000
Permitappr:	20050505000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	309977		
X:	189861	Y:	192532
Latitude:	39.734268		
Longitude:	-75.534938		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Waterfront Enterprises LLC		
Owneraddre:	30 Commerce Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000104064

AL616
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000105767**

Objectid:	105767		
Permitnumb:	219271		
Localwelli:	BFI MW-1	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-023
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	15	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070504000000.000
Locreviewd:	20070508000000.000	Proposedco:	20070509000000.000
Permitappr:	20070509000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	355918		
X:	189893	Y:	192597
Latitude:	39.734854		
Longitude:	-75.534565		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christiana River LLC		
Owneraddre:	Not Reported		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105767

AL617
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000105768**

Objectid:	105768		
Permitnumb:	219272		
Localwelli:	BFI MW-2	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-023
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	15	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070504000000.000
Locreviewd:	20070508000000.000	Proposedco:	20070509000000.000
Permitappr:	20070509000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	355919		
X:	189893	Y:	192597
Latitude:	39.734854		
Longitude:	-75.534565		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christiana River LLC		
Owneraddre:	Not Reported		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000105768

AL618
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106753**

Objectid:	106753		
Permitnumb:	226513		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-023
Septicperm:	n/a	Wellauthco:	3854311
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	4	Waterlevel:	20081205000000.000
Totaldepth:	18	Totaldep00:	13
Welltermun:	24	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20081118000000.000
Locreviewd:	20081120000000.000	Proposedco:	20081124000000.000
Permitappr:	20081124000000.000	Actualcons:	Not Reported
Completion:	20090112000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	13
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	614630		
X:	189795	Y:	192484
Latitude:	39.733835		
Longitude:	-75.535707		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christiana River LLC		
Owneraddre:	Not Reported		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	13	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000106753

AL619
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106754**

Objectid:	106754		
Permitnumb:	226514		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-023
Septicperm:	n/a	Wellauthco:	3854311
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	4	Waterlevel:	20081205000000.000
Totaldepth:	18	Totaldep00:	13
Welltermun:	24	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20081118000000.000
Locreviewd:	20081120000000.000	Proposedco:	20081124000000.000
Permitappr:	20081124000000.000	Actualcons:	Not Reported
Completion:	20090112000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	13
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	614631		
X:	189795	Y:	192484
Latitude:	39.733835		
Longitude:	-75.535707		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christiana River LLC		
Owneraddre:	Not Reported		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	13	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000106754

AL620
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106755**

Objectid:	106755		
Permitnumb:	226515		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-023
Septicperm:	n/a	Wellauthco:	3854311
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	4	Waterlevel:	20081205000000.000
Totaldepth:	18	Totaldep00:	13
Welltermun:	24	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20081118000000.000
Locreviewd:	20081120000000.000	Proposedco:	20081124000000.000
Permitappr:	20081124000000.000	Actualcons:	Not Reported
Completion:	20090112000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	13
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	614632		
X:	189795	Y:	192484
Latitude:	39.733835		
Longitude:	-75.535707		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christiana River LLC		
Owneraddre:	Not Reported		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	13	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000106755

621
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000125169**

Objectid:	125169		
Permitnumb:	39422		
Localwelli:	Not Reported	Welltype:	Other - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Pending		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19770909000000.000
Proposeddr:	Augered	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	30
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Hay Rd	Apprecdate:	19770909000000.000
Locreviewd:	19770909000000.000	Proposedco:	19770909000000.000
Permitappr:	19770909000000.000	Actualcons:	Not Reported
Completion:	19770909000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	85715		
X:	190644.703125	Y:	193013.5
Latitude:	39.738615		
Longitude:	-75.525807		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	State Of Delaware		
Owneraddre:	PO Box 8, Bear, DE 19701 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000125169

AM622
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231758**

Org. Identifier:	USGS-MD		
Formal name:	USGS Maryland Water Science Center		
Monloc Identifier:	USGS-394309075320902		
Monloc name:	W-04B		
Monloc type:	Well		
Monloc desc:	WELL USED IN STUDY BY USGS FOR EPA, 1990, HALBY		
Huc code:	02040205	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.71928
Longitude:	-75.5354774	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Potomac Formation		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	73
Welldepth units:	ft	Wellholedepth:	73
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1990-06-28	4.21		1990-06-14	3.82	
1989-05-04	5.70				

AM623
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231757**

Org. Identifier:	USGS-MD		
Formal name:	USGS Maryland Water Science Center		
Monloc Identifier:	USGS-394309075320901		
Monloc name:	W-04A		
Monloc type:	Well		
Monloc desc:	WELL USED IN STUDY BY USGS FOR EPA, 1990, HALBY		
Huc code:	02040205	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.71928
Longitude:	-75.5354774	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Columbia Group		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	26
Welldepth units:	ft	Wellholedepth:	26
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1990-06-28	3.48		1990-06-14	3.39	
1989-05-04	6.75				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
AN624 **WNW** **1/2 - 1 Mile** **Lower**	**DE WELLS**	**DE1000000103444**

Objectid:	103444		
Permitnumb:	110162		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19961114000000.000
Locreviewd:	19961114000000.000	Proposedco:	19961114000000.000
Permitappr:	19961114000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112830		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	DNREC-SIRB		
Owneraddre:	391 Lukens Drive, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000103444

AN625
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000103443**

Objectid:	103443		
Permitnumb:	110161		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19961114000000.000
Locreviewd:	19961114000000.000	Proposedco:	19961114000000.000
Permitappr:	19961114000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112829		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	DNREC-SIRB		
Owneraddre:	391 Lukens Drive, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000103443

AN626
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000112859**

Objectid:	112859		
Permitnumb:	75834		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880906000000.000
Locreviewd:	19880906000000.000	Proposedco:	19880906000000.000
Permitappr:	19880906000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	135463		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	Diamond Indust,		
Owneraddre:	Lobdell Street & Townsend Street, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000112859

AN627
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000103445**

Objectid:	103445		
Permitnumb:	110163		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19961114000000.000
Locreviewd:	19961114000000.000	Proposedco:	19961114000000.000
Permitappr:	19961114000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111246		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	DNREC-SIRB		
Owneraddre:	391 Lukens Drive, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000103445

AN628
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000103442**

Objectid:	103442		
Permitnumb:	110160		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19961114000000.000
Locreviewd:	19961114000000.000	Proposedco:	19961114000000.000
Permitappr:	19961114000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112828		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	DNREC-SIRB		
Owneraddre:	391 Lukens Drive, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000103442

AN629
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000103439**

Objectid:	103439		
Permitnumb:	110157		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19961114000000.000
Locreviewd:	19961114000000.000	Proposedco:	19961114000000.000
Permitappr:	19961114000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111245		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	DNREC-SIRB		
Owneraddre:	391 Lukens Drive, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000103439

AN630
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000012963**

Objectid:	12963		
Permitnumb:	99750		
Localwelli:	Not Reported	Welltype:	Dewater - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Jetted	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19940419000000.000
Locreviewd:	19940419000000.000	Proposedco:	19940419000000.000
Permitappr:	19940419000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	147903		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	839		
Wellcontra:	Eastern States Construction Service Inc		
Owner:	United House Of,		
Owneraddre:	1301 Bradford Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000012963

AN631
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000103441**

Objectid:	103441		
Permitnumb:	110159		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19961114000000.000
Locreviewd:	19961114000000.000	Proposedco:	19961114000000.000
Permitappr:	19961114000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112428		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	DNREC-SIRB		
Owneraddre:	391 Lukens Drive, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000103441

AN632
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000103440**

Objectid:	103440		
Permitnumb:	110158		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19961114000000.000
Locreviewd:	19961114000000.000	Proposedco:	19961114000000.000
Permitappr:	19961114000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	110722		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	DNREC-SIRB		
Owneraddre:	391 Lukens Drive, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000103440

AN633
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000112860**

Objectid:	112860		
Permitnumb:	75835		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880921000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880906000000.000
Locreviewd:	19880906000000.000	Proposedco:	19880906000000.000
Permitappr:	19880906000000.000	Actualcons:	Not Reported
Completion:	19880921000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	15
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	132158		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	988		
Wellcontra:	Total Quality Drilling LLC		
Owner:	Diamond Indust,		
Owneraddre:	Lobdell Street & Townsend Street, Wilmington, DE 19899 US		
Grouttop:	2	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	4
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	5
Innercas01:	PVC	Site id:	DE1000000112860

AN634
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000112868**

Objectid:	112868		
Permitnumb:	75843		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880921000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880906000000.000
Locreviewd:	19880906000000.000	Proposedco:	19880906000000.000
Permitappr:	19880906000000.000	Actualcons:	Not Reported
Completion:	19880921000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	132161		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	Diamond Indust,		
Owneraddre:	Lobdell Street & Townsend Street, Wilmington, DE 19899 US		
Grouttop:	.5	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	13	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000112868

AN635
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000112867**

Objectid:	112867		
Permitnumb:	75842		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880921000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880906000000.000
Locreviewd:	19880906000000.000	Proposedco:	19880906000000.000
Permitappr:	19880906000000.000	Actualcons:	Not Reported
Completion:	19880921000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	135464		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	Diamond Indust,		
Owneraddre:	Lobdell Street & Townsend Street, Wilmington, DE 19899 US		
Grouttop:	.5	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	13	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000112867

AN636
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000113197**

Objectid:	113197		
Permitnumb:	77836		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19890328000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	95
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890215000000.000
Locreviewd:	19890215000000.000	Proposedco:	19890215000000.000
Permitappr:	19890215000000.000	Actualcons:	Not Reported
Completion:	19890328000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	80.5999984741211	Screenbase:	90.5999984741211
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	132852		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	US Environmental Protection		
Owneraddre:	6th Street & Walnut Street, Philadelphia, PA 19106 US		
Grouttop:	0	Groutbase:	75
Groutmater:	Bentonite	Graveltop:	78
Gravelbase:	95	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000113197

AN637
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000113196**

Objectid:	113196		
Permitnumb:	77835		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19890328000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	94
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890215000000.000
Locreviewd:	19890215000000.000	Proposedco:	19890215000000.000
Permitappr:	19890215000000.000	Actualcons:	Not Reported
Completion:	19890328000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	77.8000030517578	Screenbase:	87.8000030517578
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	136701		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	US Environmental Protection		
Owneraddre:	6th Street & Walnut Street, Philadelphia, PA 19106 US		
Grouttop:	0	Groutbase:	74
Groutmater:	Bentonite	Graveltop:	76
Gravelbase:	94	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	34.5999984741211
Innercas01:	PVC	Site id:	DE1000000113196

AN638
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000112866**

Objectid:	112866		
Permitnumb:	75841		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880921000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880906000000.000
Locreviewd:	19880906000000.000	Proposedco:	19880906000000.000
Permitappr:	19880906000000.000	Actualcons:	Not Reported
Completion:	19880921000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	129285		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	Diamond Indust,		
Owneraddre:	Lobdell Street & Townsend Street, Wilmington, DE 19899 US		
Grouttop:	.5	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	13	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000112866

AN639
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000112862**

Objectid:	112862		
Permitnumb:	75837		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880906000000.000
Locreviewd:	19880906000000.000	Proposedco:	19880906000000.000
Permitappr:	19880906000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	132159		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	988		
Wellcontra:	Total Quality Drilling LLC		
Owner:	Diamond Indust,		
Owneraddre:	Lobdell Street & Townsend Street, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000112862

AN640
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000112861**

Objectid:	112861		
Permitnumb:	75836		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880921000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880906000000.000
Locreviewd:	19880906000000.000	Proposedco:	19880906000000.000
Permitappr:	19880906000000.000	Actualcons:	Not Reported
Completion:	19880921000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	129284		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	Diamond Indust,		
Owneraddre:	Lobdell Street & Townsend Street, Wilmington, DE 19899 US		
Grouttop:	2	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	4
Gravelbase:	15	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000112861

AN641
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000112865**

Objectid:	112865		
Permitnumb:	75840		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880921000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880906000000.000
Locreviewd:	19880906000000.000	Proposedco:	19880906000000.000
Permitappr:	19880906000000.000	Actualcons:	Not Reported
Completion:	19880921000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	130029		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	Diamond Indust,		
Owneraddre:	Lobdell Street & Townsend Street, Wilmington, DE 19899 US		
Grouttop:	.5	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	13	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000112865

AN642
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000112863**

Objectid:	112863		
Permitnumb:	75838		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880921000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19880906000000.000
Locreviewd:	19880906000000.000	Proposedco:	19880906000000.000
Permitappr:	19880906000000.000	Actualcons:	Not Reported
Completion:	19880921000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	13
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	132160		
X:	189623.203125	Y:	192181.59375
Latitude:	39.73111		
Longitude:	-75.53771		
Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	988		
Wellcontra:	Total Quality Drilling LLC		
Owner:	Diamond Indust,		
Owneraddre:	Lobdell Street & Townsend Street, Wilmington, DE 19899 US		
Grouttop:	.5	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	13	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000112863

643
ENE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000124442**

Objectid:	124442		
Permitnumb:	236400		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-053.00-003
Septicperm:	n/a	Wellauthco:	4458586
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	20120227000000.000
Totaldepth:	100	Totaldep00:	103
Welltermun:	30	Welltermin:	Pad Mount
Replacemen:	Y	Replacedwe:	217801
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20110722000000.000
Locreviewd:	20110725000000.000	Proposedco:	20110729000000.000
Permitappr:	20110729000000.000	Actualcons:	Not Reported
Completion:	20110830000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	Yes
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	930703		
X:	192206	Y:	192000
Latitude:	39.729502		
Longitude:	-75.507577		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5378		
Wellcontra:	Summit Site Services Inc		
Owner:	Delaware Solid Waste Authority		
Owneraddre:	1128 South Bradford Street, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	101
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	101
Innercas01:	PVC	Site id:	DE1000000124442

AO644
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108927**

Objectid:	108927		
Permitnumb:	244969		
Localwelli:	DPW-3	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-058.00-014
Septicperm:	n/a	Wellauthco:	4042423
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20131002000000.000
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	DPW-3	Apprecdate:	20131002133418.000
Locreviewd:	20131002133418.000	Proposedco:	20131009000000.000
Permitappr:	20131009000000.000	Actualcons:	Not Reported
Completion:	20131126150059.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	17
Screenmate:	PVC	Minwelldia:	1.39999997615814
Maxwelldia:	1.39999997615814		
Locid:	1036075		
X:	189521.5	Y:	191846.703125
Latitude:	39.728092		
Longitude:	-75.538892		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delmarva Power & Light Co		
Owneraddre:	PO Box 231, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Grouted	Graveltop:	5
Gravelbase:	17	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000108927

AO645
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108928**

Objectid:	108928		
Permitnumb:	244970		
Localwelli:	DPW-4	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-058.00-014
Septicperm:	n/a	Wellauthco:	4042423
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20131002000000.000
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	DPW-4	Apprecdate:	20131002133421.000
Locreviewd:	20131002133421.000	Proposedco:	20131009000000.000
Permitappr:	20131009000000.000	Actualcons:	Not Reported
Completion:	20131126150712.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	17
Screenmate:	PVC	Minwelldia:	1.39999997615814
Maxwelldia:	1.39999997615814		
Locid:	1036076		
X:	189521.5	Y:	191846.703125
Latitude:	39.728092		
Longitude:	-75.538892		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delmarva Power & Light Co		
Owneraddre:	PO Box 231, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Grouted	Graveltop:	5
Gravelbase:	17	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000108928

AP646
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107592**

Objectid:	107592		
Permitnumb:	231462		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-022
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100512000000.000
Locreviewd:	20100518000000.000	Proposedco:	20100526000000.000
Permitappr:	20100526000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	831171		
X:	189558	Y:	192046
Latitude:	39.729888		
Longitude:	-75.538465		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	624		
Wellcontra:	Summit Drilling Co Inc		
Owner:	Pepco Holdings Inc		
Owneraddre:	401 Eagle Run Road, Newark, DE 19702 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107592

AP647
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107591**

Objectid:	107591		
Permitnumb:	231461		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-022
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100512000000.000
Locreviewd:	20100518000000.000	Proposedco:	20100526000000.000
Permitappr:	20100526000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	831170		
X:	189558	Y:	192046
Latitude:	39.729888		
Longitude:	-75.538465		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	624		
Wellcontra:	Summit Drilling Co Inc		
Owner:	Pepco Holdings Inc		
Owneraddre:	401 Eagle Run Road, Newark, DE 19702 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107591

AP648
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107590**

Objectid:	107590		
Permitnumb:	231460		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-022
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100512000000.000
Locreviewd:	20100518000000.000	Proposedco:	20100526000000.000
Permitappr:	20100526000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	831169		
X:	189558	Y:	192046
Latitude:	39.729888		
Longitude:	-75.538465		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	624		
Wellcontra:	Summit Drilling Co Inc		
Owner:	Pepco Holdings Inc		
Owneraddre:	401 Eagle Run Road, Newark, DE 19702 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107590

AP649
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107595**

Objectid:	107595		
Permitnumb:	231465		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-022
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100512000000.000
Locreviewd:	20100518000000.000	Proposedco:	20100526000000.000
Permitappr:	20100526000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	831174		
X:	189558	Y:	192046
Latitude:	39.729888		
Longitude:	-75.538465		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	624		
Wellcontra:	Summit Drilling Co Inc		
Owner:	Pepco Holdings Inc		
Owneraddre:	401 Eagle Run Road, Newark, DE 19702 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107595

AP650
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107594**

Objectid:	107594		
Permitnumb:	231464		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-022
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100512000000.000
Locreviewd:	20100518000000.000	Proposedco:	20100526000000.000
Permitappr:	20100526000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	831173		
X:	189558	Y:	192046
Latitude:	39.729888		
Longitude:	-75.538465		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	624		
Wellcontra:	Summit Drilling Co Inc		
Owner:	Pepco Holdings Inc		
Owneraddre:	401 Eagle Run Road, Newark, DE 19702 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107594

AP651
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107593**

Objectid:	107593		
Permitnumb:	231463		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-022
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100512000000.000
Locreviewd:	20100518000000.000	Proposedco:	20100526000000.000
Permitappr:	20100526000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	831172		
X:	189558	Y:	192046
Latitude:	39.729888		
Longitude:	-75.538465		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	624		
Wellcontra:	Summit Drilling Co Inc		
Owner:	Pepco Holdings Inc		
Owneraddre:	401 Eagle Run Road, Newark, DE 19702 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107593

AQ652
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096497**

Objectid:	96497		
Permitnumb:	111888		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-020
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112043		
X:	189713.796875	Y:	190969.203125
Latitude:	39.720192		
Longitude:	-75.536635		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096497

AQ653
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096297**

Objectid:	96297		
Permitnumb:	110357		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19970103000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	12
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19961203000000.000
Locreviewd:	20130515000000.000	Proposedco:	19961203000000.000
Permitappr:	19961203000000.000	Actualcons:	Not Reported
Completion:	19970103000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112450		
X:	189712.09375	Y:	190970.796875
Latitude:	39.720206		
Longitude:	-75.536655		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Co		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096297

AQ654
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096496**

Objectid:	96496		
Permitnumb:	111887		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114266		
X:	189716.796875	Y:	190962.09375
Latitude:	39.720128		
Longitude:	-75.536599		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096496

AQ655
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096491**

Objectid:	96491		
Permitnumb:	111882		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-063.00-020
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112041		
X:	189722.09375	Y:	190953.296875
Latitude:	39.720048		
Longitude:	-75.536537		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096491

AQ656
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096490**

Objectid:	96490		
Permitnumb:	111881		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112040		
X:	189720.40625	Y:	190954.59375
Latitude:	39.72006		
Longitude:	-75.536557		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096490

657
South
1/2 - 1 Mile
Lower

DE WELLS **DE1000000132632**

Objectid:	132632		
Permitnumb:	212506		
Localwelli:	0	Welltype:	Soil Borings - Standard
Dgsid:	0	Taxid:	1-33-20.00-0017.18
Septicperm:	Local ID=B-1	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20051129000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	20050413000000.000
Totaldepth:	150	Totaldep00:	75
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	Not Reported	Apprecdate:	20051129000000.000
Locreviewd:	20051129000000.000	Proposedco:	20051202000000.000
Permitappr:	20051202000000.000	Actualcons:	Not Reported
Completion:	20060519000000.000	Abandonrep:	20060414000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	311788		
X:	190875	Y:	190298
Latitude:	39.714159		
Longitude:	-75.523078		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	US Army Corp Of Engineers		
Owneraddre:	100 Penn Square East, Philadelphia, PA 19107 US		
Grouttop:	0	Groutbase:	75
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000132632

AM658
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096493**

Objectid:	96493		
Permitnumb:	111884		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112042		
X:	189752.203125	Y:	190870.703125
Latitude:	39.719305		
Longitude:	-75.536185		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096493

AM659
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096492**

Objectid:	96492		
Permitnumb:	111883		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	113394		
X:	189755.59375	Y:	190864.09375
Latitude:	39.719246		
Longitude:	-75.536146		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096492

AQ660
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096494**

Objectid:	96494		
Permitnumb:	111885		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970503000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970503000000.000
Permitappr:	19970503000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	113094		
X:	189695.796875	Y:	190947.09375
Latitude:	39.719992		
Longitude:	-75.536844		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096494

AQ661
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096495**

Objectid:	96495		
Permitnumb:	111886		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114265		
X:	189693.09375	Y:	190944.5
Latitude:	39.719969		
Longitude:	-75.536876		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096495

AO662
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000134134**

Objectid:	134134		
Permitnumb:	244968		
Localwelli:	B-6*10	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-058.00-014
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20131002000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20131002133113.000
Locreviewd:	20131002133113.000	Proposedco:	20131009000000.000
Permitappr:	20131009000000.000	Actualcons:	Not Reported
Completion:	20131202000000.000	Abandonrep:	20131029000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	1036074		
X:	189479.796875	Y:	191779.90625
Latitude:	39.72749		
Longitude:	-75.539376		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Delmarva Power & Light Co		
Owneraddre:	PO Box 231, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000134134

AM663
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096475**

Objectid:	96475		
Permitnumb:	111866		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112034		
X:	189729.5	Y:	190882.203125
Latitude:	39.719408		
Longitude:	-75.536449		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096475

AM664
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096477**

Objectid:	96477		
Permitnumb:	111868		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	113089		
X:	189731.5	Y:	190879.09375
Latitude:	39.71938		
Longitude:	-75.536427		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096477

AM665
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096476**

Objectid:	96476		
Permitnumb:	111867		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112035		
X:	189727.90625	Y:	190881.09375
Latitude:	39.719398		
Longitude:	-75.536469		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096476

AR666
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107801**

Objectid:	107801		
Permitnumb:	233379		
Localwelli:	MW 11R	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	Not Reported	Wellauthco:	5410774
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	14	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20101014000000.000
Locreviewd:	20101019000000.000	Proposedco:	20101027000000.000
Permitappr:	20101027000000.000	Actualcons:	Not Reported
Completion:	20110317000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	901511		
X:	190749	Y:	193091
Latitude:	39.739313		
Longitude:	-75.524587		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107801

AR667
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107802**

Objectid:	107802		
Permitnumb:	233380		
Localwelli:	MW 12R	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	Not Reported	Wellauthco:	5410774
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	14	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20101014000000.000
Locreviewd:	20101019000000.000	Proposedco:	20101027000000.000
Permitappr:	20101027000000.000	Actualcons:	Not Reported
Completion:	20110317000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	901512		
X:	190749	Y:	193091
Latitude:	39.739313		
Longitude:	-75.524587		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107802

AM668
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096483**

Objectid:	96483		
Permitnumb:	111874		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112037		
X:	189730.296875	Y:	190873.203125
Latitude:	39.719327		
Longitude:	-75.53644		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096483

AM669
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096485**

Objectid:	96485		
Permitnumb:	111876		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	113093		
X:	189732.796875	Y:	190868.796875
Latitude:	39.719288		
Longitude:	-75.536411		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096485

AS670
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000118021**

Objectid:	118021		
Permitnumb:	160437		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19980910000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	14
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW 2	Apprecdate:	19980908000000.000
Locreviewd:	19980908000000.000	Proposedco:	19980908000000.000
Permitappr:	19980908000000.000	Actualcons:	Not Reported
Completion:	19980910000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7.5	Screenbase:	12.5
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	100338		
X:	189972.5	Y:	192767.59375
Latitude:	39.736392		
Longitude:	-75.533644		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wilmington UDAG Corporation		
Owneraddre:	800 French Street, 3rd Floor, Wilmington, DE 19801 US		
Grouttop:	.699999988079071	Groutbase:	5.5
Groutmater:	Neat Cement	Graveltop:	5.5
Gravelbase:	7.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7.5
Innercas01:	PVC	Site id:	DE1000000118021

AM671
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096484**

Objectid:	96484		
Permitnumb:	111875		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	113092		
X:	189730.796875	Y:	190870.59375
Latitude:	39.719304		
Longitude:	-75.536434		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096484

AQ672
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000103602**

Objectid:	103602		
Permitnumb:	110894		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-063.00-020
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19970217000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	12.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970212000000.000
Locreviewd:	20130703000000.000	Proposedco:	19970212000000.000
Permitappr:	19970212000000.000	Actualcons:	Not Reported
Completion:	19970217000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7.5	Screenbase:	12.5
Screenmate:	PVC	Minwelldia:	6
Maxwelldia:	6		
Locid:	111910		
X:	189700.40625	Y:	190909.90625
Latitude:	39.719657		
Longitude:	-75.536789		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	6.5
Groutmater:	Bentonite	Graveltop:	6.5
Gravelbase:	12.5	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	7.5
Innercas01:	PVC	Site id:	DE1000000103602

AT673
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097569**

Objectid:	97569		
Permitnumb:	222134		
Localwelli:	GP-2,5,11	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-066.00-004
Septicperm:	n/a	Wellauthco:	3491015
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	11	Totaldep00:	11
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20071120000000.000
Locreviewd:	20071126000000.000	Proposedco:	20071126000000.000
Permitappr:	20071126000000.000	Actualcons:	Not Reported
Completion:	20071210000000.000	Abandonrep:	20071128000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	365137		
X:	190057	Y:	190539
Latitude:	39.71632		
Longitude:	-75.532621		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Port Properties LLC		
Owneraddre:	4030 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097569

AM674
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096482**

Objectid:	96482		
Permitnumb:	111873		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114263		
X:	189723.796875	Y:	190875.203125
Latitude:	39.719345		
Longitude:	-75.536516		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096482

AM675
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096489**

Objectid:	96489		
Permitnumb:	111880		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112039		
X:	189728.40625	Y:	190863.203125
Latitude:	39.719237		
Longitude:	-75.536463		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096489

AM676
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096478**

Objectid:	96478		
Permitnumb:	111869		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114262		
X:	189718.59375	Y:	190877
Latitude:	39.719361		
Longitude:	-75.536577		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096478

AT677
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106339**

Objectid:	106339		
Permitnumb:	223472		
Localwelli:	mw 4	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-004
Septicperm:	n/a	Wellauthco:	3403733
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Other	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	9	Waterlevel:	20080618000000.000
Totaldepth:	15	Totaldep00:	16
Welltermun:	-3	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20080327000000.000
Locreviewd:	20080328000000.000	Proposedco:	20080331000000.000
Permitappr:	20080331000000.000	Actualcons:	Not Reported
Completion:	20080707000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	6	Screenbase:	16
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	373430		
X:	190132	Y:	190482
Latitude:	39.715808		
Longitude:	-75.531746		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Port Properties LLC		
Owneraddre:	4030 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	4
Gravelbase:	16	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	6
Innercas01:	PVC	Site id:	DE1000000106339

AT678
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106340**

Objectid:	106340		
Permitnumb:	223473		
Localwelli:	mw 5	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-004
Septicperm:	n/a	Wellauthco:	3403733
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Other	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	7	Waterlevel:	20080618000000.000
Totaldepth:	15	Totaldep00:	16
Welltermun:	-3	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20080327000000.000
Locreviewd:	20080328000000.000	Proposedco:	20080331000000.000
Permitappr:	20080331000000.000	Actualcons:	Not Reported
Completion:	20080707000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	6	Screenbase:	16
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	373431		
X:	190132	Y:	190482
Latitude:	39.715808		
Longitude:	-75.531746		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Port Properties LLC		
Owneraddre:	4030 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	4
Gravelbase:	16	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	6
Innercas01:	PVC	Site id:	DE1000000106340

AT679
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106341**

Objectid:	106341		
Permitnumb:	223474		
Localwelli:	mw 6	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-004
Septicperm:	n/a	Wellauthco:	3403733
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Other	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	9	Waterlevel:	20080618000000.000
Totaldepth:	15	Totaldep00:	16
Welltermun:	-3	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20080327000000.000
Locreviewd:	20080328000000.000	Proposedco:	20080331000000.000
Permitappr:	20080331000000.000	Actualcons:	Not Reported
Completion:	20080707000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	6	Screenbase:	16
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	373432		
X:	190132	Y:	190482
Latitude:	39.715808		
Longitude:	-75.531746		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Port Properties LLC		
Owneraddre:	4030 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	4
Gravelbase:	16	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	6
Innercas01:	PVC	Site id:	DE1000000106341

AM680
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096480**

Objectid:	96480		
Permitnumb:	111871		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	113091		
X:	189712.703125	Y:	190880.203125
Latitude:	39.719389		
Longitude:	-75.536646		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096480

AM681
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096488**

Objectid:	96488		
Permitnumb:	111879		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112038		
X:	189722.296875	Y:	190865.796875
Latitude:	39.71926		
Longitude:	-75.536533		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096488

AM682
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096479**

Objectid:	96479		
Permitnumb:	111870		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	113090		
X:	189711.59375	Y:	190880.40625
Latitude:	39.719392		
Longitude:	-75.536659		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096479

AM683
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096481**

Objectid:	96481		
Permitnumb:	111872		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112036		
X:	189716.203125	Y:	190873.40625
Latitude:	39.719329		
Longitude:	-75.536605		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096481

AT684
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108918**

Objectid:	108918		
Permitnumb:	244819		
Localwelli:	MW-1	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-006
Septicperm:	n/a	Wellauthco:	5511320
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	9	Waterlevel:	20131024000000.000
Totaldepth:	14	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130918000000.000
Locreviewd:	20130919000000.000	Proposedco:	20130924000000.000
Permitappr:	20130924000000.000	Actualcons:	Not Reported
Completion:	20131024000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1035087		
X:	189976.796875	Y:	190589
Latitude:	39.716771		
Longitude:	-75.533562		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Quarles Petroleum Incorporated		
Owneraddre:	1701 Fall Hill Avenue, Suite 300, Fredericksburg, VA 22401 US		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000108918

AT685
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108919**

Objectid:	108919		
Permitnumb:	244820		
Localwelli:	MW-2	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-006
Septicperm:	n/a	Wellauthco:	5511320
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	6	Waterlevel:	20131024000000.000
Totaldepth:	14	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130918000000.000
Locreviewd:	20130919000000.000	Proposedco:	20130924000000.000
Permitappr:	20130924000000.000	Actualcons:	Not Reported
Completion:	20131024000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	4	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1035088		
X:	189976.796875	Y:	190589
Latitude:	39.716771		
Longitude:	-75.533562		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Quarles Petroleum Incorporated		
Owneraddre:	1701 Fall Hill Avenue, Suite 300, Fredericksburg, VA 22401 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Bentonite	Graveltop:	3
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	4
Innercas01:	PVC	Site id:	DE1000000108919

AT686
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108920**

Objectid:	108920		
Permitnumb:	244821		
Localwelli:	MW-3	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-006
Septicperm:	n/a	Wellauthco:	5511320
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	4	Waterlevel:	20131024000000.000
Totaldepth:	14	Totaldep00:	12
Welltermun:	30	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20130918000000.000
Locreviewd:	20130919000000.000	Proposedco:	20130924000000.000
Permitappr:	20130924000000.000	Actualcons:	Not Reported
Completion:	20131024000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	1035089		
X:	189976.796875	Y:	190589
Latitude:	39.716771		
Longitude:	-75.533562		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Quarles Petroleum Incorporated		
Owneraddre:	1701 Fall Hill Avenue, Suite 300, Fredericksburg, VA 22401 US		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	12	Gravelmate:	Gravel

Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000108920

AM687
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096487**

Objectid:	96487		
Permitnumb:	111878		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114264		
X:	189715.203125	Y:	190869.796875
Latitude:	39.719296		
Longitude:	-75.536617		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096487

AM688
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096486**

Objectid:	96486		
Permitnumb:	111877		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	113393		
X:	189712.5	Y:	190869.5
Latitude:	39.719294		
Longitude:	-75.536649		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096486

AQ689
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096472**

Objectid:	96472		
Permitnumb:	111863		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112032		
X:	189686.296875	Y:	190899.203125
Latitude:	39.719561		
Longitude:	-75.536955		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096472

AQ690
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096473**

Objectid:	96473		
Permitnumb:	111864		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	114261		
X:	189682.296875	Y:	190893.40625
Latitude:	39.719508		
Longitude:	-75.537		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096473

AM691
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096299**

Objectid:	96299		
Permitnumb:	110359		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	12
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19961203000000.000
Locreviewd:	20130515000000.000	Proposedco:	19961203000000.000
Permitappr:	19961203000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112451		
X:	189721.90625	Y:	190834.703125
Latitude:	39.71898		
Longitude:	-75.536538		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Co		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096299

AQ692
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096474**

Objectid:	96474		
Permitnumb:	111865		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19970530000000.000
Locreviewd:	20130301000000.000	Proposedco:	19970530000000.000
Permitappr:	19970530000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	112033		
X:	189679.59375	Y:	190888.90625
Latitude:	39.719468		
Longitude:	-75.537032		
Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Company		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported

Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096474

AU693
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231755**

Org. Identifier:	USGS-MD		
Formal name:	USGS Maryland Water Science Center		
Monloc Identifier:	USGS-394304075320901		
Monloc name:	Cd23-14		
Monloc type:	Well		
Monloc desc:	DGS Lat/Long:N394308W753215S		
Huc code:	02040205	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.7178911
Longitude:	-75.5354774	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Potomac Formation		
Aquifer type:	Not Reported		
Construction date:	19690912	Welldepth:	145
Welldepth units:	ft	Wellholedepth:	145
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

AO694
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000134133**

Objectid:	134133		
Permitnumb:	244965		
Localwelli:	B-1*5	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-058.00-015
Septicperm:	n/a	Wellauthco:	4035750
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20131002000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported

Localid:	Not Reported	Apprecdate:	20131002132331.000
Locreviewd:	20131002132331.000	Proposedco:	20131008000000.000
Permitappr:	20131008000000.000	Actualcons:	Not Reported
Completion:	20131202000000.000	Abandonrep:	20131029000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	1036069		
X:	189442.59375	Y:	191855.296875
Latitude:	39.728169		
Longitude:	-75.539812		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Full Throttle Inc		
Owneraddre:	1806 Zebley Road, Wilmington, DE 19810 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000134133

695
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133789**

Objectid:	133789		
Permitnumb:	237853		
Localwelli:	SB-1,4,& 7	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-067.00-003
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	50	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported

Localid:	Not Reported	Apprecdate:	20111209000000.000
Locreviewd:	20111214000000.000	Proposedco:	20111214000000.000
Permitappr:	20111214000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	938696		
X:	190514	Y:	190285
Latitude:	39.714038		
Longitude:	-75.527288		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5378		
Wellcontra:	Summit Site Services Inc		
Owner:	Port Authority Of Wilmington		
Owneraddre:	1100 King Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133789

AS696
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122900**

Objectid:	122900		
Permitnumb:	204946		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	24	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported

Localid:	MW01-MW02	Apprecdate:	20041022000000.000
Locreviewd:	20041022000000.000	Proposedco:	20041022000000.000
Permitappr:	20041022000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	82196		
X:	190011	Y:	192859
Latitude:	39.737215		
Longitude:	-75.533197		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Crown Enterprises, Inc		
Owneraddre:	12225 Stephens Drive, Warren, MI 48089 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000122900

AS697
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122976**

Objectid:	122976		
Permitnumb:	205479		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	24	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported

Localid:	MW02	Apprecdate:	20041022000000.000
Locreviewd:	20041022000000.000	Proposedco:	20041022000000.000
Permitappr:	20041022000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	82483		
X:	190011	Y:	192859
Latitude:	39.737215		
Longitude:	-75.533197		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Crown Enterprises, Inc		
Owneraddre:	12225 Stephens Drive, Warren, MI 48089 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000122976

AV698
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231756**

Org. Identifier:	USGS-MD		
Formal name:	USGS Maryland Water Science Center		
Monloc Identifier:	USGS-394308075321401		
Monloc name:	SMW-01		
Monloc type:	Well		
Monloc desc:	WELL USED IN STUDY BY USGS FOR EPA, 1990 HALBY		
Huc code:	02040205	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.7190022
Longitude:	-75.5368664	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Columbia Group		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	31
Welldepth units:	ft	Wellholedepth:	31
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1990-06-28	4.71		1990-06-14	4.61	
1989-05-04	4.25				

AM699
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000021366**

Objectid:	21366		
Permitnumb:	45007		
Localwelli:	Not Reported	Welltype:	Domestic - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Pending		
Estmaxcapa:	20		
Estdailyus:	200		
Requiresal:	NO	Estconstru:	19800519000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	42	Pumptestra:	30
Pumpratedc:	10		
Pumptestti:	2		
Pumpingwat:	45	Retainwell:	0
Staticwate:	-7.25	Waterlevel:	19800519000000.000
Totaldepth:	0	Totaldep00:	63
Welltermun:	8	Welltermin:	Pitless Adaptor
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Pigeon Pt Rd	Apprecdate:	19791212000000.000
Locreviewd:	19791212000000.000	Proposedco:	19791212000000.000
Permitappr:	19791212000000.000	Actualcons:	Not Reported
Completion:	19800519000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	58	Screenbase:	63
Screenmate:	Steel	Minwelldia:	3
Maxwelldia:	3		
Locid:	105189		
X:	189737.796875	Y:	190778.203125
Latitude:	39.718471		
Longitude:	-75.536352		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4058		
Wellcontra:	Walter E Welldriler		
Owner:	Bullman, Herbert		
Owneraddre:	Not Reported		
Grouttop:	0	Groutbase:	45
Groutmater:	Bentonite	Graveltop:	45
Gravelbase:	63	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	58
Innercas01:	Steel	Site id:	DE1000000021366

AW700
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000123850**

Objectid:	123850		
Permitnumb:	219510		
Localwelli:	wd1	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-029
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	4	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070524000000.000
Locreviewd:	20070529000000.000	Proposedco:	20070604000000.000
Permitappr:	20070604000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	356620		
X:	189650	Y:	192479
Latitude:	39.733789		
Longitude:	-75.537398		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christina River LLC		
Owneraddre:	32 Pyles Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123850

AW701
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000123851**

Objectid:	123851		
Permitnumb:	219511		
Localwelli:	wd2	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-029
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	4	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070524000000.000
Locreviewd:	20070529000000.000	Proposedco:	20070604000000.000
Permitappr:	20070604000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	356621		
X:	189650	Y:	192479
Latitude:	39.733789		
Longitude:	-75.537398		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christina River LLC		
Owneraddre:	32 Pyles Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123851

AW702
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000123852**

Objectid:	123852		
Permitnumb:	219512		
Localwelli:	wd3	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-029
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	4	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20070524000000.000
Locreviewd:	20070529000000.000	Proposedco:	20070604000000.000
Permitappr:	20070604000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	356622		
X:	189650	Y:	192479
Latitude:	39.733789		
Longitude:	-75.537398		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christina River LLC		
Owneraddre:	32 Pyles Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000123852

AT703
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133136**

Objectid:	133136		
Permitnumb:	223976		
Localwelli:	GP-16*23	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-066.00-004
Septicperm:	n/a	Wellauthco:	3413108
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20080507000000.000
Locreviewd:	20080508000000.000	Proposedco:	20080513000000.000
Permitappr:	20080513000000.000	Actualcons:	Not Reported
Completion:	20080707000000.000	Abandonrep:	20080618000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	564734		
X:	190112	Y:	190437
Latitude:	39.715402		
Longitude:	-75.531978		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Port Properties LLC		
Owneraddre:	4030 New Castle Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133136

AW704
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000104066**

Objectid:	104066		
Permitnumb:	209832		
Localwelli:	0	Welltype:	Monitor - Standard
Dgsid:	0	Taxid:	26-051.00-029
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050504000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	20050504000000.000
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	MW-3	Apprecdate:	20050503000000.000
Locreviewd:	20050504000000.000	Proposedco:	20050505000000.000
Permitappr:	20050505000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	309991		
X:	189704	Y:	192571
Latitude:	39.734618		
Longitude:	-75.53677		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christina River LLC		
Owneraddre:	32 Pyles Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000104066

AW705
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000104065**

Objectid:	104065		
Permitnumb:	209831		
Localwelli:	0	Welltype:	Monitor - Standard
Dgsid:	0	Taxid:	26-051.00-029
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050504000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	20050504000000.000
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	MW-2	Apprecdate:	20050503000000.000
Locreviewd:	20050504000000.000	Proposedco:	20050505000000.000
Permitappr:	20050505000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	309990		
X:	189704	Y:	192571
Latitude:	39.734618		
Longitude:	-75.53677		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christina River LLC		
Owneraddre:	32 Pyles Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000104065

AW706
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000104068**

Objectid:	104068		
Permitnumb:	209834		
Localwelli:	0	Welltype:	Monitor - Standard
Dgsid:	0	Taxid:	26-051.00-029
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050504000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	20050504000000.000
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	MW-5	Apprecdate:	20050503000000.000
Locreviewd:	20050504000000.000	Proposedco:	20050505000000.000
Permitappr:	20050505000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	309993		
X:	189704	Y:	192571
Latitude:	39.734618		
Longitude:	-75.53677		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christina River LLC		
Owneraddre:	32 Pyles Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000104068

AW707
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000104067**

Objectid:	104067		
Permitnumb:	209833		
Localwelli:	0	Welltype:	Monitor - Standard
Dgsid:	0	Taxid:	26-051.00-029
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050504000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	20050504000000.000
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	MW-4	Apprecdate:	20050503000000.000
Locreviewd:	20050504000000.000	Proposedco:	20050505000000.000
Permitappr:	20050505000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	309992		
X:	189704	Y:	192571
Latitude:	39.734618		
Longitude:	-75.53677		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Christina River LLC		
Owneraddre:	32 Pyles Lane, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000104067

AX708
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122173**

Objectid:	122173		
Permitnumb:	199140		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20040218000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW-1	Apprecdate:	20040206000000.000
Locreviewd:	20040206000000.000	Proposedco:	20040206000000.000
Permitappr:	20040206000000.000	Actualcons:	Not Reported
Completion:	20040218000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	10.1999998092651
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	79017		
X:	190421	Y:	193086
Latitude:	39.739264		
Longitude:	-75.528418		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-2	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Moffett, Sidney		
Owneraddre:	2421 Kingman Drive, Wilmington, DE 19810 US		
Grouttop:	0	Groutbase:	2.5
Groutmater:	Bentonite	Graveltop:	2.5
Gravelbase:	13	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000122173

AX709
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122191**

Objectid:	122191		
Permitnumb:	199316		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20040223000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW-2	Apprecdate:	20040206000000.000
Locreviewd:	20040206000000.000	Proposedco:	20040206000000.000
Permitappr:	20040206000000.000	Actualcons:	Not Reported
Completion:	20040223000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2.5	Screenbase:	12.5
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	79106		
X:	190421	Y:	193086
Latitude:	39.739264		
Longitude:	-75.528418		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-2	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Moffett, Sidney		
Owneraddre:	2421 Kingman Drive, Wilmington, DE 19810 US		
Grouttop:	0	Groutbase:	2
Groutmater:	Bentonite	Graveltop:	2
Gravelbase:	13	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2.5
Innercas01:	PVC	Site id:	DE1000000122191

AX710
NNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122192**

Objectid:	122192		
Permitnumb:	199317		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20040218000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW-3	Apprecdate:	20040206000000.000
Locreviewd:	20040206000000.000	Proposedco:	20040206000000.000
Permitappr:	20040206000000.000	Actualcons:	Not Reported
Completion:	20040218000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	8
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	79107		
X:	190421	Y:	193086
Latitude:	39.739264		
Longitude:	-75.528418		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-2	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Moffett, Sidney		
Owneraddre:	2421 Kingman Drive, Wilmington, DE 19810 US		
Grouttop:	0	Groutbase:	2.5
Groutmater:	Neat Cement	Graveltop:	2.5
Gravelbase:	15	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	3
Innercas01:	PVC	Site id:	DE1000000122192

AY711
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108925**

Objectid:	108925		
Permitnumb:	244966		
Localwelli:	DPW-1	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-058.00-015
Septicperm:	n/a	Wellauthco:	4039669
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20131002000000.000
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	DPW-1	Apprecdate:	20131002132757.000
Locreviewd:	20131002132757.000	Proposedco:	20131008000000.000
Permitappr:	20131008000000.000	Actualcons:	Not Reported
Completion:	20131126144603.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	10	Screenbase:	20
Screenmate:	PVC	Minwelldia:	1.39999997615814
Maxwelldia:	1.39999997615814		
Locid:	1036070		
X:	189421.40625	Y:	191912.09375
Latitude:	39.728681		
Longitude:	-75.54006		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Full Throttle Inc		
Owneraddre:	1806 Zebley Road, Wilmington, DE 19810 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Grouted	Graveltop:	12
Gravelbase:	20	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	10
Innercas01:	PVC	Site id:	DE1000000108925

AY712
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108926**

Objectid:	108926		
Permitnumb:	244967		
Localwelli:	DPW-2	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-058.00-015
Septicperm:	n/a	Wellauthco:	4039669
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20131002000000.000
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	20	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	DPW-2	Apprecdate:	20131002132800.000
Locreviewd:	20131002132800.000	Proposedco:	20131008000000.000
Permitappr:	20131008000000.000	Actualcons:	Not Reported
Completion:	20131126145235.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	21
Screenmate:	PVC	Minwelldia:	1.39999997615814
Maxwelldia:	1.39999997615814		
Locid:	1036071		
X:	189421.40625	Y:	191912.09375
Latitude:	39.728681		
Longitude:	-75.54006		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4126		
Wellcontra:	Earth Matters Inc		
Owner:	Full Throttle Inc		
Owneraddre:	1806 Zebley Road, Wilmington, DE 19810 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Grouted	Graveltop:	9
Gravelbase:	20	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	11
Innercas01:	PVC	Site id:	DE1000000108926

AZ713
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133704**

Objectid:	133704		
Permitnumb:	235363		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-058.00-012
Septicperm:	n/a	Wellauthco:	6259061
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	16	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20110505000000.000
Locreviewd:	20110505000000.000	Proposedco:	20110510000000.000
Permitappr:	20110510000000.000	Actualcons:	Not Reported
Completion:	20110622000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	923588		
X:	189438	Y:	191350
Latitude:	39.723617		
Longitude:	-75.539853		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Insteel Wire Products Company		
Owneraddre:	1373 Boggs Drive, Mount Airy, NC 27030 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133704

AU714
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000122768**

Objectid:	122768		
Permitnumb:	204487		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	115
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	DMW-6	Apprecdate:	20041005000000.000
Locreviewd:	20041005000000.000	Proposedco:	20041005000000.000
Permitappr:	20041005000000.000	Actualcons:	Not Reported
Completion:	20100106000000.000	Abandonrep:	20091012000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	81901		
X:	189777	Y:	190693
Latitude:	39.717704		
Longitude:	-75.535894		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Pennsy Supply Co Inc		
Owneraddre:	PO Box 3331, Harrisburg, PA 17105 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000122768

AV715
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096298**

Objectid:	96298		
Permitnumb:	110358		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19970103000000.000
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	12
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19961203000000.000
Locreviewd:	20130515000000.000	Proposedco:	19961203000000.000
Permitappr:	19961203000000.000	Actualcons:	Not Reported
Completion:	19970103000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111398		
X:	189670.796875	Y:	190815.59375
Latitude:	39.718807		
Longitude:	-75.537133		

Locationme:	GPS-Differentially Corrected	County:	New Castle North
Modgrid:	110-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Brandywine Chemical Co		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096298

AR716
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097181**

Objectid:	97181		
Permitnumb:	208221		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050124102832.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050524130106.000
Totaldepth:	6	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	Not Reported	Apprecdate:	20041230000000.000
Locreviewd:	20041230000000.000	Proposedco:	20050128000000.000
Permitappr:	20050128000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	48334		
X:	190781	Y:	193188
Latitude:	39.740187		
Longitude:	-75.524215		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Amtrak		
Owneraddre:	4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097181

AR717
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097182**

Objectid:	97182		
Permitnumb:	208222		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050124102832.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050524130106.000
Totaldepth:	6	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	Not Reported	Apprecdate:	20041230000000.000
Locreviewd:	20041230000000.000	Proposedco:	20050128000000.000
Permitappr:	20050128000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	48335		
X:	190781	Y:	193188
Latitude:	39.740187		
Longitude:	-75.524215		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Amtrak		
Owneraddre:	4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097182

AR718
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097180**

Objectid:	97180		
Permitnumb:	208220		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050124102832.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050524130106.000
Totaldepth:	6	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	Not Reported	Apprecdate:	20041230000000.000
Locreviewd:	20041230000000.000	Proposedco:	20050128000000.000
Permitappr:	20050128000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	48333		
X:	190781	Y:	193188
Latitude:	39.740187		
Longitude:	-75.524215		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Amtrak		
Owneraddre:	4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097180

AR719
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097178**

Objectid:	97178		
Permitnumb:	208218		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	YES	Estconstru:	20050113000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	NONE
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050524130347.000
Totaldepth:	6	Totaldep00:	12
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	Not Reported	Apprecdate:	20041230000000.000
Locreviewd:	20041230000000.000	Proposedco:	20050128000000.000
Permitappr:	20050128000000.000	Actualcons:	Not Reported
Completion:	20050113000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	48331		
X:	190781	Y:	193188
Latitude:	39.740187		
Longitude:	-75.524215		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Amtrak		
Owneraddre:	4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	12
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097178

AR720
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097179**

Objectid:	97179		
Permitnumb:	208219		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050124102832.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050524130106.000
Totaldepth:	6	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	Not Reported	Apprecdate:	20041230000000.000
Locreviewd:	20041230000000.000	Proposedco:	20050128000000.000
Permitappr:	20050128000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	48332		
X:	190781	Y:	193188
Latitude:	39.740187		
Longitude:	-75.524215		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Amtrak		
Owneraddre:	4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097179

AR721
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097186**

Objectid:	97186		
Permitnumb:	208226		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050124102832.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050524130106.000
Totaldepth:	6	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	Not Reported	Apprecdate:	20041230000000.000
Locreviewd:	20041230000000.000	Proposedco:	20050128000000.000
Permitappr:	20050128000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	48339		
X:	190781	Y:	193188
Latitude:	39.740187		
Longitude:	-75.524215		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Amtrak		
Owneraddre:	4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097186

AR722
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097187**

Objectid:	97187		
Permitnumb:	208227		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	0113ZWSN
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050124102832.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050524130106.000
Totaldepth:	6	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	Not Reported	Apprecdate:	20041230000000.000
Locreviewd:	20041230000000.000	Proposedco:	20050128000000.000
Permitappr:	20050128000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	48340		
X:	190781	Y:	193188
Latitude:	39.740187		
Longitude:	-75.524215		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Amtrak		
Owneraddre:	4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097187

AR723
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097185**

Objectid:	97185		
Permitnumb:	208225		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050124102832.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050524130106.000
Totaldepth:	6	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	Not Reported	Apprecdate:	20041230000000.000
Locreviewd:	20041230000000.000	Proposedco:	20050128000000.000
Permitappr:	20050128000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	48338		
X:	190781	Y:	193188
Latitude:	39.740187		
Longitude:	-75.524215		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Amtrak		
Owneraddre:	4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097185

AR724
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097183**

Objectid:	97183		
Permitnumb:	208223		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050124102832.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050524130106.000
Totaldepth:	6	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	Not Reported	Apprecdate:	20041230000000.000
Locreviewd:	20041230000000.000	Proposedco:	20050128000000.000
Permitappr:	20050128000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	48336		
X:	190781	Y:	193188
Latitude:	39.740187		
Longitude:	-75.524215		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Amtrak		
Owneraddre:	4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097183

AR725
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097184**

Objectid:	97184		
Permitnumb:	208224		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20050124102832.000
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	Not Reported
Staticwate:	0	Waterlevel:	20050524130106.000
Totaldepth:	6	Totaldep00:	0
Welltermun:	0	Welltermin:	Standard T
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Bad Water
Localid:	Not Reported	Apprecdate:	20041230000000.000
Locreviewd:	20041230000000.000	Proposedco:	20050128000000.000
Permitappr:	20050128000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	48337		
X:	190781	Y:	193188
Latitude:	39.740187		
Longitude:	-75.524215		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	951		
Wellcontra:	Talon Drilling Company		
Owner:	Amtrak		
Owneraddre:	4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000097184

AZ726
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000100071**

Objectid:	100071		
Permitnumb:	96167		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930710000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	27
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930701000000.000
Locreviewd:	19930701000000.000	Proposedco:	19930701000000.000
Permitappr:	19930701000000.000	Actualcons:	Not Reported
Completion:	19930710000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	17	Screenbase:	27
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	148565		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Bowman, Herb		
Owneraddre:	520 Terminal Avenue, Christiana Motor Freight, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	14
Groutmater:	Bentonite	Graveltop:	14
Gravelbase:	27	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	9
Innercas01:	PVC	Site id:	DE1000000100071

AZ727
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000100120**

Objectid:	100120		
Permitnumb:	96318		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930714000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	130
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930707000000.000
Locreviewd:	19930707000000.000	Proposedco:	19930707000000.000
Permitappr:	19930707000000.000	Actualcons:	Not Reported
Completion:	19930714000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	148603		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Potts,		
Owneraddre:	801 Christiana Avenue, New Castle, DE 19899 US		
Grouttop:	0	Groutbase:	118
Groutmater:	Bentonite	Graveltop:	118
Gravelbase:	130	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000100120

AZ728
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000100069**

Objectid:	100069		
Permitnumb:	96165		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930710000000.000
Proposeddr:	Other	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	57
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930701000000.000
Locreviewd:	19930701000000.000	Proposedco:	19930701000000.000
Permitappr:	19930701000000.000	Actualcons:	Not Reported
Completion:	19930710000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	30	Screenbase:	40
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	147216		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Bowman, Herb		
Owneraddre:	520 Terminal Avenue, Christiana Motor Freight, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	27
Groutmater:	Bentonite	Graveltop:	27
Gravelbase:	57	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	26
Innercas01:	PVC	Site id:	DE1000000100069

AZ729
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000100070**

Objectid:	100070		
Permitnumb:	96166		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930708000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	15
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930701000000.000
Locreviewd:	19930701000000.000	Proposedco:	19930701000000.000
Permitappr:	19930701000000.000	Actualcons:	Not Reported
Completion:	19930708000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	15
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	147780		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Bowman, Herb		
Owneraddre:	520 Terminal Avenue, Christiana Motor Freight, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	4
Groutmater:	Bentonite	Graveltop:	4
Gravelbase:	15	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	15
Innercas01:	PVC	Site id:	DE1000000100070

AZ730
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000102537**

Objectid:	102537		
Permitnumb:	106027		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19951016000000.000
Locreviewd:	19951016000000.000	Proposedco:	19951016000000.000
Permitappr:	19951016000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	110455		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Nolan, Lester		
Owneraddre:	1310 King Street, George H Seitz Esq, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000102537

AZ731
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000102538**

Objectid:	102538		
Permitnumb:	106028		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19951016000000.000
Locreviewd:	19951016000000.000	Proposedco:	19951016000000.000
Permitappr:	19951016000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111111		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Nolan, Lester		
Owneraddre:	1310 King Street, George H Seitz Esq, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000102538

AZ732
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000102532**

Objectid:	102532		
Permitnumb:	106021		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19951016000000.000
Locreviewd:	19951016000000.000	Proposedco:	19951016000000.000
Permitappr:	19951016000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	109330		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Nolan, Lester		
Owneraddre:	1310 King Street, George H Seitz Esq, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000102532

AZ733
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000102534**

Objectid:	102534		
Permitnumb:	106023		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19951016000000.000
Locreviewd:	19951016000000.000	Proposedco:	19951016000000.000
Permitappr:	19951016000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	109443		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Nolan, Lester		
Owneraddre:	1310 King Street, George H Seitz Esq, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000102534

AZ734
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099877**

Objectid:	99877		
Permitnumb:	95631		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930618000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	72
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930602000000.000
Locreviewd:	19930602000000.000	Proposedco:	19930602000000.000
Permitappr:	19930602000000.000	Actualcons:	Not Reported
Completion:	19930618000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	62	Screenbase:	72
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	147306		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Brandywine Chem,		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	55
Groutmater:	Bentonite	Graveltop:	55
Gravelbase:	72	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	20
Innercas01:	PVC	Site id:	DE1000000099877

AZ735
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099871**

Objectid:	99871		
Permitnumb:	95625		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930628000000.000
Proposeddr:	Reverse Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	57
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930602000000.000
Locreviewd:	19930602000000.000	Proposedco:	19930602000000.000
Permitappr:	19930602000000.000	Actualcons:	Not Reported
Completion:	19930628000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	40	Screenbase:	50
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	145758		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Potts,		
Owneraddre:	801 Christiana Avenue, New Castle, DE 19899 US		
Grouttop:	0	Groutbase:	37
Groutmater:	Bentonite	Graveltop:	37
Gravelbase:	57	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	32
Innercas01:	PVC	Site id:	DE1000000099871

AZ736
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099872**

Objectid:	99872		
Permitnumb:	95626		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930701000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	63
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930602000000.000
Locreviewd:	19930602000000.000	Proposedco:	19930602000000.000
Permitappr:	19930602000000.000	Actualcons:	Not Reported
Completion:	19930701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	53	Screenbase:	63
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	149258		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Potts,		
Owneraddre:	801 Christiana Avenue, New Castle, DE 19899 US		
Grouttop:	0	Groutbase:	49
Groutmater:	Bentonite	Graveltop:	49
Gravelbase:	63	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	15
Innercas01:	PVC	Site id:	DE1000000099872

AZ737
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099869**

Objectid:	99869		
Permitnumb:	95623		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930629000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	72
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930602000000.000
Locreviewd:	19930602000000.000	Proposedco:	19930602000000.000
Permitappr:	19930602000000.000	Actualcons:	Not Reported
Completion:	19930629000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	62	Screenbase:	72
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	149257		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Potts,		
Owneraddre:	801 Christiana Avenue, New Castle, DE 19899 US		
Grouttop:	0	Groutbase:	60
Groutmater:	Bentonite	Graveltop:	60
Gravelbase:	72	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	62
Innercas01:	PVC	Site id:	DE1000000099869

AZ738
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099870**

Objectid:	99870		
Permitnumb:	95624		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930702000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	65
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930602000000.000
Locreviewd:	19930602000000.000	Proposedco:	19930602000000.000
Permitappr:	19930602000000.000	Actualcons:	Not Reported
Completion:	19930702000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	55	Screenbase:	65
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	145757		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Potts,		
Owneraddre:	801 Christiana Avenue, New Castle, DE 19899 US		
Grouttop:	0	Groutbase:	51
Groutmater:	Bentonite	Graveltop:	51
Gravelbase:	65	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	22
Innercas01:	PVC	Site id:	DE1000000099870

AZ739
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099875**

Objectid:	99875		
Permitnumb:	95629		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930701000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	30
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930602000000.000
Locreviewd:	19930602000000.000	Proposedco:	19930602000000.000
Permitappr:	19930602000000.000	Actualcons:	Not Reported
Completion:	19930701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	20	Screenbase:	30
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	147304		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Potts,		
Owneraddre:	801 Christiana Avenue, New Castle, DE 19899 US		
Grouttop:	0	Groutbase:	17
Groutmater:	Bentonite	Graveltop:	17
Gravelbase:	30	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	20
Innercas01:	PVC	Site id:	DE1000000099875

AZ740
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099876**

Objectid:	99876		
Permitnumb:	95630		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930615000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	19
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930602000000.000
Locreviewd:	19930602000000.000	Proposedco:	19930602000000.000
Permitappr:	19930602000000.000	Actualcons:	Not Reported
Completion:	19930615000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	9	Screenbase:	19
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	147305		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Brandywine Chem,		
Owneraddre:	600 Terminal Avenue, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	8
Groutmater:	Bentonite	Graveltop:	8
Gravelbase:	19	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	9
Innercas01:	PVC	Site id:	DE1000000099876

AZ741
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099873**

Objectid:	99873		
Permitnumb:	95627		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930701000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	17
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930602000000.000
Locreviewd:	19930602000000.000	Proposedco:	19930602000000.000
Permitappr:	19930602000000.000	Actualcons:	Not Reported
Completion:	19930701000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	7	Screenbase:	17
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	149259		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Potts,		
Owneraddre:	801 Christiana Avenue, New Castle, DE 19899 US		
Grouttop:	0	Groutbase:	5
Groutmater:	Bentonite	Graveltop:	5
Gravelbase:	17	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	7
Innercas01:	PVC	Site id:	DE1000000099873

AZ742
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000099874**

Objectid:	99874		
Permitnumb:	95628		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19930623000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	27
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19930602000000.000
Locreviewd:	19930602000000.000	Proposedco:	19930602000000.000
Permitappr:	19930602000000.000	Actualcons:	Not Reported
Completion:	19930623000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	17	Screenbase:	27
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	149260		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Potts,		
Owneraddre:	801 Christiana Avenue, New Castle, DE 19899 US		
Grouttop:	0	Groutbase:	16
Groutmater:	Bentonite	Graveltop:	16
Gravelbase:	27	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	17
Innercas01:	PVC	Site id:	DE1000000099874

AZ743
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000102539**

Objectid:	102539		
Permitnumb:	106029		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19951016000000.000
Locreviewd:	19951016000000.000	Proposedco:	19951016000000.000
Permitappr:	19951016000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	111112		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Nolan, Lester		
Owneraddre:	1310 King Street, George H Seitz Esq, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000102539

AZ744
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000113194**

Objectid:	113194		
Permitnumb:	77833		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	120
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890215000000.000
Locreviewd:	19890215000000.000	Proposedco:	19890215000000.000
Permitappr:	19890215000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	133255		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	US Environmental Protection		
Owneraddre:	6th Street & Walnut Street, Philadelphia, PA 19106 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000113194

AZ745
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000113198**

Objectid:	113198		
Permitnumb:	77837		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880328000000.000
Proposeddr:	Mud Rotary	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	61
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890215000000.000
Locreviewd:	19890215000000.000	Proposedco:	19890215000000.000
Permitappr:	19890215000000.000	Actualcons:	Not Reported
Completion:	19880328000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	136702		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	US Environmental Protection		
Owneraddre:	6th Street & Walnut Street, Philadelphia, PA 19106 US		
Grouttop:	0	Groutbase:	41
Groutmater:	Bentonite	Graveltop:	45
Gravelbase:	61	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000113198

AZ746
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000111229**

Objectid:	111229		
Permitnumb:	63871		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19860214000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	25
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19860122000000.000
Locreviewd:	19860122000000.000	Proposedco:	19860122000000.000
Permitappr:	19860122000000.000	Actualcons:	Not Reported
Completion:	19860214000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	15	Screenbase:	25
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	120795		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	12
Groutmater:	Neat Cement	Graveltop:	12
Gravelbase:	25	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	15
Innercas01:	PVC	Site id:	DE1000000111229

AZ747
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000113193**

Objectid:	113193		
Permitnumb:	77832		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19880328000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	100
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890215000000.000
Locreviewd:	19890215000000.000	Proposedco:	19890215000000.000
Permitappr:	19890215000000.000	Actualcons:	Not Reported
Completion:	19880328000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	89.5999984741211	Screenbase:	99.5999984741211
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	133254		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	US Environmental Protection		
Owneraddre:	6th Street & Walnut Street, Philadelphia, PA 19106 US		
Grouttop:	0	Groutbase:	85
Groutmater:	Bentonite	Graveltop:	88
Gravelbase:	100	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2.59999990463257
Innercas01:	PVC	Site id:	DE1000000113193

AZ748
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000113203**

Objectid:	113203		
Permitnumb:	77842		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19890328000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	64
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890215000000.000
Locreviewd:	19890215000000.000	Proposedco:	19890215000000.000
Permitappr:	19890215000000.000	Actualcons:	Not Reported
Completion:	19890328000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	44	Screenbase:	59.5999984741211
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	133257		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	US Environmental Protection		
Owneraddre:	6th Street & Walnut Street, Philadelphia, PA 19106 US		
Grouttop:	0	Groutbase:	37
Groutmater:	Bentonite	Graveltop:	39.5999984741211
Gravelbase:	64	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2.59999990463257
Innercas01:	PVC	Site id:	DE1000000113203

AZ749
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000113353**

Objectid:	113353		
Permitnumb:	78839		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19890526000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890515000000.000
Locreviewd:	19890515000000.000	Proposedco:	19890515000000.000
Permitappr:	19890515000000.000	Actualcons:	Not Reported
Completion:	19890526000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	3	Screenbase:	13
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	137446		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	51		
Wellcontra:	R J Seward & Son		
Owner:	Aquilina, Mike		
Owneraddre:	1050 Christina Avenue, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Bentonite	Graveltop:	3
Gravelbase:	13	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	13
Innercas01:	PVC	Site id:	DE1000000113353

AZ750
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000113200**

Objectid:	113200		
Permitnumb:	77839		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19890328000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	90
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890215000000.000
Locreviewd:	19890215000000.000	Proposedco:	19890215000000.000
Permitappr:	19890215000000.000	Actualcons:	Not Reported
Completion:	19890328000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	79.8000030517578	Screenbase:	89.8000030517578
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	132854		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	US Environmental Protection		
Owneraddre:	6th Street & Walnut Street, Philadelphia, PA 19106 US		
Grouttop:	0	Groutbase:	75
Groutmater:	Bentonite	Graveltop:	77
Gravelbase:	90	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	40
Innercas01:	PVC	Site id:	DE1000000113200

AZ751
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000113201**

Objectid:	113201		
Permitnumb:	77840		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19890328000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	64
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19890215000000.000
Locreviewd:	19890215000000.000	Proposedco:	19890215000000.000
Permitappr:	19890215000000.000	Actualcons:	Not Reported
Completion:	19890328000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	6.59999990463257	Screenbase:	26.6000003814697
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	131841		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	513		
Wellcontra:	Chesapeake Geosystem		
Owner:	US Environmental Protection		
Owneraddre:	6th Street & Walnut Street, Philadelphia, PA 19106 US		
Grouttop:	0	Groutbase:	4.59999990463257
Groutmater:	Bentonite	Graveltop:	6.59999990463257
Gravelbase:	64	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2.59999990463257
Innercas01:	PVC	Site id:	DE1000000113201

AZ752
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000111228**

Objectid:	111228		
Permitnumb:	63870		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19860214000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	75
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19860122000000.000
Locreviewd:	19860122000000.000	Proposedco:	19860122000000.000
Permitappr:	19860122000000.000	Actualcons:	Not Reported
Completion:	19860214000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	57	Screenbase:	72
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	120794		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	53
Groutmater:	Neat Cement	Graveltop:	53
Gravelbase:	75	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	57
Innercas01:	PVC	Site id:	DE1000000111228

AZ753
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000110690**

Objectid:	110690		
Permitnumb:	59428		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	3		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19841214000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	60.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19841212000000.000
Locreviewd:	19841212000000.000	Proposedco:	19841212000000.000
Permitappr:	19841212000000.000	Actualcons:	Not Reported
Completion:	19841214000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	43.5	Screenbase:	53.5
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	119096		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware, Dnrec-water Sup		
Owneraddre:	89 Kings Highway, PO Box 1401, R&R Bldg, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	41
Groutmater:	Bentonite	Graveltop:	41
Gravelbase:	60.5	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	43.5
Innercas01:	PVC	Site id:	DE1000000110690

AZ754
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000110691**

Objectid:	110691		
Permitnumb:	59429		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	3		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19841211000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	65
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19841212000000.000
Locreviewd:	19841212000000.000	Proposedco:	19841212000000.000
Permitappr:	19841212000000.000	Actualcons:	Not Reported
Completion:	19841211000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	50.5	Screenbase:	60.5
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	118608		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware, Dnrec-water Sup		
Owneraddre:	89 Kings Highway, PO Box 1401, R&R Bldg, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	47
Groutmater:	Bentonite	Graveltop:	47
Gravelbase:	65	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	50.5
Innercas01:	PVC	Site id:	DE1000000110691

AZ755
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000102540**

Objectid:	102540		
Permitnumb:	106030		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19951016000000.000
Locreviewd:	19951016000000.000	Proposedco:	19951016000000.000
Permitappr:	19951016000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	110456		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Nolan, Lester		
Owneraddre:	1310 King Street, George H Seitz Esq, Wilmington, DE 19899 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000102540

AZ756
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000110689**

Objectid:	110689		
Permitnumb:	59427		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	3		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19841217000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	18.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19841212000000.000
Locreviewd:	19841212000000.000	Proposedco:	19841212000000.000
Permitappr:	19841212000000.000	Actualcons:	Not Reported
Completion:	19841217000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	8.5	Screenbase:	18.5
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	117494		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware, Dnrec-water Sup		
Owneraddre:	89 Kings Highway, PO Box 1401, R&R Bldg, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	6
Groutmater:	Bentonite	Graveltop:	6
Gravelbase:	18.5	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	8.5
Innercas01:	PVC	Site id:	DE1000000110689

AZ757
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000110694**

Objectid:	110694		
Permitnumb:	59432		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	3		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19841218000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	29
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19841212000000.000
Locreviewd:	19841212000000.000	Proposedco:	19841212000000.000
Permitappr:	19841212000000.000	Actualcons:	Not Reported
Completion:	19841218000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	19	Screenbase:	29
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	118609		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware, Dnrec-water Sup		
Owneraddre:	89 Kings Highway, PO Box 1401, R&R Bldg, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	17
Groutmater:	Bentonite	Graveltop:	17
Gravelbase:	29	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	19
Innercas01:	PVC	Site id:	DE1000000110694

AZ758
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000111227**

Objectid:	111227		
Permitnumb:	63869		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	1		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19860210000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	120
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19860122000000.000
Locreviewd:	19860122000000.000	Proposedco:	19860122000000.000
Permitappr:	19860122000000.000	Actualcons:	Not Reported
Completion:	19860210000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	100	Screenbase:	120
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	119676		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Wilmington, City Of		
Owneraddre:	800 French Street, Wilmington, DE 19808 US		
Grouttop:	0	Groutbase:	95
Groutmater:	Neat Cement	Graveltop:	95
Gravelbase:	120	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	100
Innercas01:	PVC	Site id:	DE1000000111227

AZ759
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000110692**

Objectid:	110692		
Permitnumb:	59430		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	3		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19841213000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	27
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19841212000000.000
Locreviewd:	19841212000000.000	Proposedco:	19841212000000.000
Permitappr:	19841212000000.000	Actualcons:	Not Reported
Completion:	19841213000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	17	Screenbase:	27
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	119097		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware, Dnrec-water Sup		
Owneraddre:	89 Kings Highway, PO Box 1401, R&R Bldg, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	15
Groutmater:	Bentonite	Graveltop:	15
Gravelbase:	27	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	17
Innercas01:	PVC	Site id:	DE1000000110692

AZ760
WSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000110693**

Objectid:	110693		
Permitnumb:	59431		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	3		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19841217000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	65.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19841212000000.000
Locreviewd:	19841212000000.000	Proposedco:	19841212000000.000
Permitappr:	19841212000000.000	Actualcons:	Not Reported
Completion:	19841217000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	52	Screenbase:	62
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	119900		
X:	189437.90625	Y:	191245
Latitude:	39.722672		
Longitude:	-75.539856		

Locationme:	Interpolation-Other	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Delaware, Dnrec-water Sup		
Owneraddre:	89 Kings Highway, PO Box 1401, R&R Bldg, Dover, DE 19903 US		
Grouttop:	0	Groutbase:	50
Groutmater:	Bentonite	Graveltop:	50
Gravelbase:	65.5	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	52
Innercas01:	PVC	Site id:	DE1000000110693

AS761
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000121614**

Objectid:	121614		
Permitnumb:	194748		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW09	Apprecdate:	20030707000000.000
Locreviewd:	20030707000000.000	Proposedco:	20030707000000.000
Permitappr:	20030707000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	76782		
X:	189887	Y:	192828
Latitude:	39.736935		
Longitude:	-75.534644		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Wilmington UDAG Corporation		
Owneraddre:	800 French Street, 3rd Floor, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000121614

AS762
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000121620**

Objectid:	121620		
Permitnumb:	194788		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW08	Apprecdate:	20030707000000.000
Locreviewd:	20030707000000.000	Proposedco:	20030707000000.000
Permitappr:	20030707000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	76808		
X:	189887	Y:	192828
Latitude:	39.736935		
Longitude:	-75.534644		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Wilmington UDAG Corporation		
Owneraddre:	800 French Street, 3rd Floor, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000121620

AV763
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106732**

Objectid:	106732		
Permitnumb:	226343		
Localwelli:	MW-1	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	10-002.30-078
Septicperm:	n/a	Wellauthco:	3232389
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	6.5	Waterlevel:	20090106000000.000
Totaldepth:	25	Totaldep00:	15
Welltermun:	3	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20081030000000.000
Locreviewd:	20081031000000.000	Proposedco:	20081114000000.000
Permitappr:	20081114000000.000	Actualcons:	Not Reported
Completion:	20090123000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	15
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	595179		
X:	189627	Y:	190830
Latitude:	39.718936		
Longitude:	-75.537641		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	DNREC-SIRB		
Owneraddre:	391 Lukens Drive, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	3.5
Groutmater:	Bentonite	Graveltop:	3.5
Gravelbase:	15	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	5
Innercas01:	PVC	Site id:	DE1000000106732

AV764
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106733**

Objectid:	106733		
Permitnumb:	226344		
Localwelli:	MW-2	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	10-002.30-078
Septicperm:	n/a	Wellauthco:	3232389
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	6	Waterlevel:	20090106000000.000
Totaldepth:	25	Totaldep00:	15
Welltermun:	3	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20081030000000.000
Locreviewd:	20081031000000.000	Proposedco:	20081114000000.000
Permitappr:	20081114000000.000	Actualcons:	Not Reported
Completion:	20090123000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	5	Screenbase:	15
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	595180		
X:	189627	Y:	190830
Latitude:	39.718936		
Longitude:	-75.537641		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	DNREC-SIRB		
Owneraddre:	391 Lukens Drive, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	3.5
Groutmater:	Bentonite	Graveltop:	3.5
Gravelbase:	15	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	5
Innercas01:	PVC	Site id:	DE1000000106733

AV765
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106734**

Objectid:	106734		
Permitnumb:	226345		
Localwelli:	MW-3	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	10-002.30-078
Septicperm:	n/a	Wellauthco:	3232389
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Other	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	6	Waterlevel:	20090106000000.000
Totaldepth:	25	Totaldep00:	14
Welltermun:	3	Welltermin:	Other
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20081030000000.000
Locreviewd:	20081031000000.000	Proposedco:	20081114000000.000
Permitappr:	20081114000000.000	Actualcons:	Not Reported
Completion:	20090123000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	4	Screenbase:	14
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	595181		
X:	189627	Y:	190830
Latitude:	39.718936		
Longitude:	-75.537641		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4286		
Wellcontra:	Green Services Inc		
Owner:	DNREC-SIRB		
Owneraddre:	391 Lukens Drive, New Castle, DE 19720 US		
Grouttop:	0	Groutbase:	3
Groutmater:	Bentonite	Graveltop:	3
Gravelbase:	14	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	4
Innercas01:	PVC	Site id:	DE1000000106734

AV766
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000096785**

Objectid:	96785		
Permitnumb:	177222		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	20
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW-1*MW-7	Apprecdate:	20010302000000.000
Locreviewd:	20010302000000.000	Proposedco:	20010302000000.000
Permitappr:	20010302000000.000	Actualcons:	Not Reported
Completion:	20100106000000.000	Abandonrep:	20091012000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	67395		
X:	189690	Y:	190744
Latitude:	39.718162		
Longitude:	-75.536909		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Pennsy Supply Co Inc		
Owneraddre:	PO Box 3331, Harrisburg, PA 17105 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000096785

AW767
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133297**

Objectid:	133297		
Permitnumb:	227501		
Localwelli:	TWP-1	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-021
Septicperm:	n/a	Wellauthco:	4530780
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	10
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090318000000.000
Locreviewd:	20090318000000.000	Proposedco:	20090318000000.000
Permitappr:	20090319000000.000	Actualcons:	Not Reported
Completion:	20090529000000.000	Abandonrep:	20090529000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	806933		
X:	189551	Y:	192440
Latitude:	39.733436		
Longitude:	-75.538552		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5368		
Wellcontra:	Environmental Field Service		
Owner:	Raphaelson, Marvyn		
Owneraddre:	Not Reported		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133297

BA768
NE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119235**

Objectid:	119235		
Permitnumb:	171463		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20000421000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	37
Welltermun:	12	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	PZ-12	Apprecdate:	20000410000000.000
Locreviewd:	20000410000000.000	Proposedco:	20000410000000.000
Permitappr:	20000410000000.000	Actualcons:	Not Reported
Completion:	20000421000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	31	Screenbase:	36
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	64146		
X:	191981	Y:	192763
Latitude:	39.736371		
Longitude:	-75.510214		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Ei DuPont Delaware Nemours		
Owneraddre:	104 Hay Road, Wilmington, DE 19801 US		
Grouttop:	8	Groutbase:	29
Groutmater:	Bentonite	Graveltop:	29
Gravelbase:	37	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	31
Innercas01:	PVC	Site id:	DE1000000119235

BA769
NE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119234**

Objectid:	119234		
Permitnumb:	171462		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20000424000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	16
Welltermun:	36	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	PZ-11	Apprecdate:	20000410000000.000
Locreviewd:	20000410000000.000	Proposedco:	20000410000000.000
Permitappr:	20000410000000.000	Actualcons:	Not Reported
Completion:	20000424000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	10	Screenbase:	15
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	64145		
X:	191981	Y:	192763
Latitude:	39.736371		
Longitude:	-75.510214		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Ei DuPont Delaware Nemours		
Owneraddre:	104 Hay Road, Wilmington, DE 19801 US		
Grouttop:	2	Groutbase:	8
Groutmater:	Bentonite	Graveltop:	8
Gravelbase:	16	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	10
Innercas01:	PVC	Site id:	DE1000000119234

BA770
NE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119236**

Objectid:	119236		
Permitnumb:	171464		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20000421000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	22
Welltermun:	12	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	PZ-13	Apprecdate:	20000410000000.000
Locreviewd:	20000410000000.000	Proposedco:	20000410000000.000
Permitappr:	20000410000000.000	Actualcons:	Not Reported
Completion:	20000421000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	10	Screenbase:	15
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	64147		
X:	191981	Y:	192763
Latitude:	39.736371		
Longitude:	-75.510214		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Ei DuPont Delaware Nemours		
Owneraddre:	104 Hay Road, Wilmington, DE 19801 US		
Grouttop:	2	Groutbase:	8
Groutmater:	Bentonite	Graveltop:	8
Gravelbase:	16	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	10
Innercas01:	PVC	Site id:	DE1000000119236

BA771
NE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119238**

Objectid:	119238		
Permitnumb:	171466		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20000420000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	24
Welltermun:	12	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	PZ-15	Apprecdate:	20000410000000.000
Locreviewd:	20000410000000.000	Proposedco:	20000410000000.000
Permitappr:	20000410000000.000	Actualcons:	Not Reported
Completion:	20000420000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	10	Screenbase:	15
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	64149		
X:	191981	Y:	192763
Latitude:	39.736371		
Longitude:	-75.510214		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Ei DuPont Delaware Nemours		
Owneraddre:	104 Hay Road, Wilmington, DE 19801 US		
Grouttop:	2	Groutbase:	8
Groutmater:	Bentonite	Graveltop:	8
Gravelbase:	16	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	10
Innercas01:	PVC	Site id:	DE1000000119238

BA772
NE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119237**

Objectid:	119237		
Permitnumb:	171465		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20000421000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	23
Welltermun:	12	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	PZ-14	Apprecdate:	20000410000000.000
Locreviewd:	20000410000000.000	Proposedco:	20000410000000.000
Permitappr:	20000410000000.000	Actualcons:	Not Reported
Completion:	20000421000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	9	Screenbase:	14
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	64148		
X:	191981	Y:	192763
Latitude:	39.736371		
Longitude:	-75.510214		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Ei DuPont Delaware Nemours		
Owneraddre:	104 Hay Road, Wilmington, DE 19801 US		
Grouttop:	2	Groutbase:	7
Groutmater:	Bentonite	Graveltop:	7
Gravelbase:	15	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	9
Innercas01:	PVC	Site id:	DE1000000119237

BB773
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106967**

Objectid:	106967		
Permitnumb:	227655		
Localwelli:	PZ-37	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	.25
Pumpratedc:	0		
Pumptestti:	1		
Pumpingwat:	0	Retainwell:	N
Staticwate:	4.5	Waterlevel:	20090429000000.000
Totaldepth:	10	Totaldep00:	10
Welltermun:	0	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	8.5
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	807719		
X:	190817	Y:	193226
Latitude:	39.74053		
Longitude:	-75.523795		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	1
Gravelbase:	8.5	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000106967

BB774
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106968**

Objectid:	106968		
Permitnumb:	227656		
Localwelli:	PZ-38	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	.25
Pumpratedc:	0		
Pumptestti:	.5		
Pumpingwat:	0	Retainwell:	N
Staticwate:	4.5	Waterlevel:	20090429000000.000
Totaldepth:	10	Totaldep00:	10
Welltermun:	0	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	10
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	807720		
X:	190817	Y:	193226
Latitude:	39.74053		
Longitude:	-75.523795		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	1
Gravelbase:	10	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000106968

BC775
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107484**

Objectid:	107484		
Permitnumb:	230838		
Localwelli:	MW 101	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-021
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100322000000.000
Locreviewd:	20100322000000.000	Proposedco:	20100322000000.000
Permitappr:	20100322000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	827779		
X:	189526	Y:	192421
Latitude:	39.733265		
Longitude:	-75.538844		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	American Scrap & Waste		
Owneraddre:	212 Labarr Drive, Lake Harmony, PA 18624 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107484

BC776
WNW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000107485**

Objectid:	107485		
Permitnumb:	230839		
Localwelli:	MW 102	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-051.00-021
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Hydropunch	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	12	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100322000000.000
Locreviewd:	20100322000000.000	Proposedco:	20100322000000.000
Permitappr:	20100322000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	827780		
X:	189526	Y:	192421
Latitude:	39.733265		
Longitude:	-75.538844		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	American Scrap & Waste		
Owneraddre:	212 Labarr Drive, Lake Harmony, PA 18624 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000107485

BD777
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000027097**

Objectid:	27097		
Permitnumb:	59074		
Localwelli:	Not Reported	Welltype:	Domestic - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	10		
Estdailyus:	600		
Requiresal:	NO	Estconstru:	19841128000000.000
Proposeddr:	Mud Rotary	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	60
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19841030000000.000
Locreviewd:	19841030000000.000	Proposedco:	19841030000000.000
Permitappr:	19841030000000.000	Actualcons:	Not Reported
Completion:	19841128000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	50	Screenbase:	60
Screenmate:	PVC	Minwelldia:	4
Maxwelldia:	4		
Locid:	91244		
X:	190281.796875	Y:	190268.703125
Latitude:	39.713888		
Longitude:	-75.53		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	51		
Wellcontra:	R J Seward & Son		
Owner:	Port Authority Of Wilmington		
Owneraddre:	1100 King Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	20
Groutmater:	Bentonite	Graveltop:	50
Gravelbase:	60	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	50
Innercas01:	PVC	Site id:	DE1000000027097

BD778
SSW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000027098**

Objectid:	27098		
Permitnumb:	59075		
Localwelli:	Not Reported	Welltype:	Domestic - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	5		
Estdailyus:	300		
Requiresal:	NO	Estconstru:	19841103000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	30
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Y	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19841031000000.000
Locreviewd:	19841031000000.000	Proposedco:	19841031000000.000
Permitappr:	19841031000000.000	Actualcons:	Not Reported
Completion:	19841103000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	25	Screenbase:	30
Screenmate:	PVC	Minwelldia:	1.5
Maxwelldia:	1.5		
Locid:	91245		
X:	190281.796875	Y:	190268.703125
Latitude:	39.713888		
Longitude:	-75.53		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	136		
Wellcontra:	B U D Pump & Well		
Owner:	Port Authority Of Wilmington		
Owneraddre:	1100 King Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	25
Innercas01:	PVC	Site id:	DE1000000027098

779
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000231754**

Org. Identifier:	USGS-MD		
Formal name:	USGS Maryland Water Science Center		
Monloc Identifier:	USGS-394255075320201		
Monloc name:	Cd33-02		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02040205	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.7153911
Longitude:	-75.5335329	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Nonmarine Cretaceous Aquifer		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

AY780
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000117883**

Objectid:	117883		
Permitnumb:	159129		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19980707000000.000
Proposeddr:	Unknown	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW-1	Apprecdate:	19980706000000.000
Locreviewd:	19980706000000.000	Proposedco:	19980706000000.000
Permitappr:	19980706000000.000	Actualcons:	Not Reported
Completion:	19980707000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	20	Screenbase:	24
Screenmate:	Steel	Minwelldia:	1
Maxwelldia:	1		
Locid:	57945		
X:	189352.40625	Y:	191964.90625
Latitude:	39.729155		
Longitude:	-75.540866		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	931		
Wellcontra:	First State Sampling		
Owner:	Wilmington Housing Development Corp		
Owneraddre:	800 North French Street, L L Reddings City Co, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	24
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	20
Innercas01:	Steel	Site id:	DE1000000117883

781
SW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000119956**

Objectid:	119956		
Permitnumb:	178311		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20010507000000.000
Proposeddr:	Augered	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	-8	Waterlevel:	20010507000000.000
Totaldepth:	0	Totaldep00:	34
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	SB-1	Apprecdate:	20010427000000.000
Locreviewd:	20010427000000.000	Proposedco:	20010427000000.000
Permitappr:	20010427000000.000	Actualcons:	Not Reported
Completion:	20010507000000.000	Abandonrep:	20091012000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	67906		
X:	189672	Y:	190709
Latitude:	39.717847		
Longitude:	-75.537118		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-350	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Pennsy Supply Co Inc		
Owneraddre:	PO Box 3331, Harrisburg, PA 17105 US		
Grouttop:	0	Groutbase:	34
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000119956

782
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000120271**

Objectid:	120271		
Permitnumb:	181972		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Unknown	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	12
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	GW-1	Apprecdate:	20011023000000.000
Locreviewd:	20011023000000.000	Proposedco:	20011023000000.000
Permitappr:	20011023000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	69889		
X:	189643	Y:	192635
Latitude:	39.735193		
Longitude:	-75.537487		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Bandurski, Michael		
Owneraddre:	11 North State Street, Dover, DE 19901 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000120271

BE783
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133452**

Objectid:	133452		
Permitnumb:	230732		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-044.00-029
Septicperm:	n/a	Wellauthco:	4910317
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	16	Totaldep00:	16
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100305000000.000
Locreviewd:	20100305000000.000	Proposedco:	20100309000000.000
Permitappr:	20100309000000.000	Actualcons:	Not Reported
Completion:	20100427000000.000	Abandonrep:	20100317000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	827118		
X:	189880	Y:	192885
Latitude:	39.737448		
Longitude:	-75.534722		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Peninsula Ventures VIII LLC		
Owneraddre:	2213 Concord Pike, Wilmington, DE 19803 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133452

BF784
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000102535**

Objectid:	102535		
Permitnumb:	106025		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19951018000000.000
Proposeddr:	Augered	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	14
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19951016000000.000
Locreviewd:	19951016000000.000	Proposedco:	19951016000000.000
Permitappr:	19951016000000.000	Actualcons:	Not Reported
Completion:	19951018000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	10	Screenbase:	20
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	99044		
X:	189331.296875	Y:	191474
Latitude:	39.724734		
Longitude:	-75.541104		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Wire Products, Insteel		
Owneraddre:	800 New Castle Avenue, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	8
Groutmater:	Neat Cement	Graveltop:	8
Gravelbase:	20	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	10
Innercas01:	PVC	Site id:	DE1000000102535

BF785
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000102533**

Objectid:	102533		
Permitnumb:	106022		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19951018000000.000
Proposeddr:	Augered	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	13.5
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19951016000000.000
Locreviewd:	19951016000000.000	Proposedco:	19951016000000.000
Permitappr:	19951016000000.000	Actualcons:	Not Reported
Completion:	19951018000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	10	Screenbase:	20
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	99043		
X:	189331.296875	Y:	191474
Latitude:	39.724734		
Longitude:	-75.541104		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Wire Products, Insteel		
Owneraddre:	800 New Castle Avenue, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	8
Groutmater:	Neat Cement	Graveltop:	8
Gravelbase:	20	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	10
Innercas01:	PVC	Site id:	DE1000000102533

BF786
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000118343**

Objectid:	118343		
Permitnumb:	163635		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19990329000000.000
Proposeddr:	Geo-Probe	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	10
Welltermun:	0	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	BH-1*BH-3	Apprecdate:	19990301000000.000
Locreviewd:	19990301000000.000	Proposedco:	19990301000000.000
Permitappr:	19990301000000.000	Actualcons:	Not Reported
Completion:	19990329000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	97212		
X:	189331.296875	Y:	191474
Latitude:	39.724734		
Longitude:	-75.541104		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	21		
Wellcontra:	Joseph T Hardy & Son Inc		
Owner:	Wire Products, Insteel		
Owneraddre:	800 New Castle Avenue, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000118343

BF787
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000102536**

Objectid:	102536		
Permitnumb:	106026		
Localwelli:	Not Reported	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19951018000000.000
Proposeddr:	Augered	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	17
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19951016000000.000
Locreviewd:	19951016000000.000	Proposedco:	19951016000000.000
Permitappr:	19951016000000.000	Actualcons:	Not Reported
Completion:	19951018000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	10	Screenbase:	20
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	99045		
X:	189331.296875	Y:	191474
Latitude:	39.724734		
Longitude:	-75.541104		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	110-352	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	928		
Wellcontra:	Uni-Tech Drilling Company Inc		
Owner:	Wire Products, Insteel		
Owneraddre:	800 New Castle Avenue, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	8
Groutmater:	Neat Cement	Graveltop:	8
Gravelbase:	20	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	40
Innercas01:	PVC	Site id:	DE1000000102536

BB788
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133698**

Objectid:	133698		
Permitnumb:	235068		
Localwelli:	b-1*5	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-005
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	40	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20110407000000.000
Locreviewd:	20110411000000.000	Proposedco:	20110411000000.000
Permitappr:	20110411000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	922118		
X:	190888	Y:	193254
Latitude:	39.740783		
Longitude:	-75.522968		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5338		
Wellcontra:	TRC Engineers Inc		
Owner:	Amtrak		
Owneraddre:	4001 Bandever Avenue, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133698

BB789
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106960**

Objectid:	106960		
Permitnumb:	227648		
Localwelli:	PZ-30	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	4219363
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	.25
Pumpratedc:	0		
Pumptestti:	.5		
Pumpingwat:	0	Retainwell:	N
Staticwate:	5.09999990463257	Waterlevel:	20090429000000.000
Totaldepth:	10	Totaldep00:	10
Welltermun:	0	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	10
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	807710		
X:	190726	Y:	193259
Latitude:	39.740826		
Longitude:	-75.524858		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	1
Gravelbase:	10	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000106960

BB790
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106961**

Objectid:	106961		
Permitnumb:	227649		
Localwelli:	PZ-31	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	4219363
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	807711		
X:	190726	Y:	193259
Latitude:	39.740826		
Longitude:	-75.524858		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000106961

BB791
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106959**

Objectid:	106959		
Permitnumb:	227647		
Localwelli:	PZ-29	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	4219363
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	.25
Pumpratedc:	0		
Pumptestti:	.5		
Pumpingwat:	0	Retainwell:	N
Staticwate:	5.09999990463257	Waterlevel:	20090429000000.000
Totaldepth:	10	Totaldep00:	10
Welltermun:	0	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	10
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	807709		
X:	190726	Y:	193259
Latitude:	39.740826		
Longitude:	-75.524858		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	1
Gravelbase:	10	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000106959

BB792
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106957**

Objectid:	106957		
Permitnumb:	227645		
Localwelli:	PZ-27	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	4219363
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	.25
Pumpratedc:	0		
Pumptestti:	.25		
Pumpingwat:	0	Retainwell:	N
Staticwate:	8.5	Waterlevel:	20090429000000.000
Totaldepth:	10	Totaldep00:	10
Welltermun:	0	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	10
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	807707		
X:	190726	Y:	193259
Latitude:	39.740826		
Longitude:	-75.524858		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	1
Gravelbase:	10	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000106957

BB793
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106958**

Objectid:	106958		
Permitnumb:	227646		
Localwelli:	PZ-28	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	4219363
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	.25
Pumpratedc:	0		
Pumptestti:	.25		
Pumpingwat:	0	Retainwell:	N
Staticwate:	8.5	Waterlevel:	20090429000000.000
Totaldepth:	10	Totaldep00:	10
Welltermun:	0	Welltermin:	Pitless Adaptor
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	10
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	807708		
X:	190726	Y:	193259
Latitude:	39.740826		
Longitude:	-75.524858		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	1
Gravelbase:	10	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000106958

BB794
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106965**

Objectid:	106965		
Permitnumb:	227653		
Localwelli:	PZ-35	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	4219363
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	807715		
X:	190726	Y:	193259
Latitude:	39.740826		
Longitude:	-75.524858		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000106965

BB795
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106966**

Objectid:	106966		
Permitnumb:	227654		
Localwelli:	PZ-36	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	4219363
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	.25
Pumpratedc:	0		
Pumptestti:	.5		
Pumpingwat:	0	Retainwell:	N
Staticwate:	3.5	Waterlevel:	20090429000000.000
Totaldepth:	10	Totaldep00:	10
Welltermun:	0	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	8.5
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	807716		
X:	190726	Y:	193259
Latitude:	39.740826		
Longitude:	-75.524858		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	1
Gravelbase:	8.5	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000106966

BB796
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106964**

Objectid:	106964		
Permitnumb:	227652		
Localwelli:	PZ-34	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	4219363
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	807714		
X:	190726	Y:	193259
Latitude:	39.740826		
Longitude:	-75.524858		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000106964

BB797
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106962**

Objectid:	106962		
Permitnumb:	227650		
Localwelli:	PZ-32	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	4219363
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	.25
Pumpratedc:	0		
Pumptestti:	.25		
Pumpingwat:	0	Retainwell:	N
Staticwate:	5	Waterlevel:	20090429000000.000
Totaldepth:	10	Totaldep00:	10
Welltermun:	0	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	10
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	807712		
X:	190726	Y:	193259
Latitude:	39.740826		
Longitude:	-75.524858		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	1
Gravelbase:	10	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000106962

BB798
North
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106963**

Objectid:	106963		
Permitnumb:	227651		
Localwelli:	PZ-33	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-037.00-007
Septicperm:	n/a	Wellauthco:	4219363
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Mud Rotary	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	10	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20090401000000.000
Locreviewd:	20090401000000.000	Proposedco:	20090402000000.000
Permitappr:	20090402000000.000	Actualcons:	Not Reported
Completion:	20090601000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	807713		
X:	190726	Y:	193259
Latitude:	39.740826		
Longitude:	-75.524858		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	114-356-1	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	5249		
Wellcontra:	East Coast Drilling Inc		
Owner:	Pbwrr Amtrak		
Owneraddre:	400 North Capitol Street Northwest, 4001 Vandever Avenue, Wilmington, DE 19802 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000106963

BE799
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000118131**

Objectid:	118131		
Permitnumb:	161499		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19990219000000.000
Proposeddr:	Augered	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	-12	Waterlevel:	19990219000000.000
Totaldepth:	0	Totaldep00:	22.5
Welltermun:	0	Welltermin:	Pad Mount
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	MW 1-2	Apprecdate:	19981027000000.000
Locreviewd:	19981027000000.000	Proposedco:	19981027000000.000
Permitappr:	19981027000000.000	Actualcons:	Not Reported
Completion:	19990219000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	8	Screenbase:	18
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	97112		
X:	189876.703125	Y:	192909.09375
Latitude:	39.737665		
Longitude:	-75.534765		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Peninsula Ventures VIII LLC		
Owneraddre:	2213 Concord Pike, Wilmington, DE 19803 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	6
Gravelbase:	18	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	8
Innercas01:	PVC	Site id:	DE1000000118131

BE800
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000118132**

Objectid:	118132		
Permitnumb:	161500		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	19990219000000.000
Proposeddr:	Augered	Formation:	Undetermined

Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	-15	Waterlevel:	19990219000000.000
Totaldepth:	0	Totaldep00:	48.2000007629395
Welltermun:	2	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	19981027000000.000
Locreviewd:	19981027000000.000	Proposedco:	19981027000000.000
Permitappr:	19981027000000.000	Actualcons:	Not Reported
Completion:	19990219000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	36.5	Screenbase:	46.5
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	97113		
X:	189876.703125	Y:	192909.09375
Latitude:	39.737665		
Longitude:	-75.534765		
Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Peninsula Ventures VIII LLC		
Owneraddre:	2213 Concord Pike, Wilmington, DE 19803 US		
Grouttop:	0	Groutbase:	2.5
Groutmater:	Bentonite	Graveltop:	35.5
Gravelbase:	46.5	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	36.5
Innercas01:	PVC	Site id:	DE1000000118132

BE801
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000133451**

Objectid:	133451		
Permitnumb:	230728		
Localwelli:	Not Reported	Welltype:	Soil Borings - Standard
Dgsid:	Not Reported	Taxid:	26-044.00-017
Septicperm:	n/a	Wellauthco:	4902148
Wellstatus:	Well Abandoned		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported

Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100305000000.000
Locreviewd:	20100305000000.000	Proposedco:	20100309000000.000
Permitappr:	20100309000000.000	Actualcons:	Not Reported
Completion:	20100427000000.000	Abandonrep:	20100316000000.000
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	827109		
X:	189912	Y:	192941
Latitude:	39.737953		
Longitude:	-75.534349		
Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Peninsula Ventures VIII LLC		
Owneraddre:	2213 Concord Pike, Wilmington, DE 19803 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000133451

BF802
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000231760**

Org. Identifier:	USGS-MD		
Formal name:	USGS Maryland Water Science Center		
Monloc Identifier:	USGS-394328075323001		
Monloc name:	Cd23-15		
Monloc type:	Well		
Monloc desc:	DGS Lat/Long:N394324W753227S		
Huc code:	02040205	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.7245578
Longitude:	-75.541311	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Northern Atlantic Coastal Plain aquifer system		
Formation type:	Potomac Formation		
Aquifer type:	Not Reported		
Construction date:	19740612	Welldepth:	53
Welldepth units:	ft	Wellholedepth:	53
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

BG803
NE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000120269**

Objectid:	120269		
Permitnumb:	181880		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20011018000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	26
Welltermun:	24	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	RAW-7*RAW-8	Apprecdate:	20011018000000.000
Locreviewd:	20011018000000.000	Proposedco:	20011018000000.000
Permitappr:	20011018000000.000	Actualcons:	Not Reported
Completion:	20011018000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	14	Screenbase:	19
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	69797		
X:	191853	Y:	192945
Latitude:	39.738009		
Longitude:	-75.51171		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Ei DuPont Delaware Nemours		
Owneraddre:	104 Hay Road, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	12
Groutmater:	Bentonite	Graveltop:	12
Gravelbase:	26	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	14
Innercas01:	PVC	Site id:	DE1000000120269

BG804
NE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000120270**

Objectid:	120270		
Permitnumb:	181911		
Localwelli:	Not Reported	Welltype:	Observation - Standard
Dgsid:	Not Reported	Taxid:	Not Reported
Septicperm:	Not Reported	Wellauthco:	Not Reported
Wellstatus:	Active		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20011018000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	0
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	0	Totaldep00:	22
Welltermun:	24	Welltermin:	None
Replacemen:	Not Reported	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	RAW-8	Apprecdate:	20011018000000.000
Locreviewd:	20011018000000.000	Proposedco:	20011018000000.000
Permitappr:	20011018000000.000	Actualcons:	Not Reported
Completion:	20011018000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	No	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	No	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	11	Screenbase:	16
Screenmate:	PVC	Minwelldia:	2
Maxwelldia:	2		
Locid:	69861		
X:	191853	Y:	192945
Latitude:	39.738009		
Longitude:	-75.51171		

Locationme:	GIS High Accuracy Interpolation	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Ei DuPont Delaware Nemours		
Owneraddre:	104 Hay Road, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	9
Groutmater:	Bentonite	Graveltop:	9
Gravelbase:	22	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	11
Innercas01:	PVC	Site id:	DE1000000120270

BH805
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106705**

Objectid:	106705		
Permitnumb:	226162		
Localwelli:	MW-2	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-058.10-203
Septicperm:	n/a	Wellauthco:	4634447
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	15	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20081014000000.000
Locreviewd:	20081015000000.000	Proposedco:	20081022000000.000
Permitappr:	20081022000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	594220		
X:	189291	Y:	191826
Latitude:	39.727903		
Longitude:	-75.541575		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Ezion Fair Baptist Church Inc		
Owneraddre:	Not Reported		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000106705

BH806
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106706**

Objectid:	106706		
Permitnumb:	226163		
Localwelli:	MW-3	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-058.10-203
Septicperm:	n/a	Wellauthco:	4634447
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	15	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20081014000000.000
Locreviewd:	20081015000000.000	Proposedco:	20081022000000.000
Permitappr:	20081022000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	No
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	594221		
X:	189291	Y:	191826
Latitude:	39.727903		
Longitude:	-75.541575		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Ezion Fair Baptist Church Inc		
Owneraddre:	Not Reported		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000106706

BH807
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000106707**

Objectid:	106707		
Permitnumb:	226164		
Localwelli:	MW-4	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-058.10-203
Septicperm:	n/a	Wellauthco:	4634447
Wellstatus:	Issued		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	15	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20081014000000.000
Locreviewd:	20081015000000.000	Proposedco:	20081022000000.000
Permitappr:	20081022000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	594222		
X:	189291	Y:	191826
Latitude:	39.727903		
Longitude:	-75.541575		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	Not Reported		
Wellcontra:	Not Reported		
Owner:	Ezion Fair Baptist Church Inc		
Owneraddre:	Not Reported		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000106707

BA808
NE
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108054**

Objectid:	108054		
Permitnumb:	235884		
Localwelli:	MW-74	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	3-30-11.00-0801.00
Septicperm:	n/a	Wellauthco:	Not Reported
Wellstatus:	Permit Expired		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Augered	Formation:	Not Reported
Aquifer:	Not Reported	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	30	Totaldep00:	0
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20110621000000.000
Locreviewd:	20110621000000.000	Proposedco:	20110624000000.000
Permitappr:	20110624000000.000	Actualcons:	Not Reported
Completion:	Not Reported	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	No	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	0	Screenbase:	0
Screenmate:	Not Reported	Minwelldia:	0
Maxwelldia:	0		
Locid:	926312		
X:	192013	Y:	192819
Latitude:	39.736876		
Longitude:	-75.509838		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	116-356	Watershed:	Shellpot Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4162		
Wellcontra:	AmeriDrill Inc		
Owner:	E I DuPont Denemours & Co		
Owneraddre:	104 Hay Road, Wilmington, DE 19809 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	0
Innercas01:	Not Reported	Site id:	DE1000000108054

BE809
NW
1/2 - 1 Mile
Lower

DE WELLS **DE1000000097864**

Objectid:	97864		
Permitnumb:	230727		
Localwelli:	Not Reported	Welltype:	Monitor - Direct Push
Dgsid:	Not Reported	Taxid:	26-044.00-017
Septicperm:	n/a	Wellauthco:	4896354
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	Not Reported
Proposeddr:	Geo-Probe	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	4	Waterlevel:	20100428000000.000
Totaldepth:	14	Totaldep00:	12
Welltermun:	-3	Welltermin:	Pad Mount
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	Not Reported	Apprecdate:	20100305000000.000
Locreviewd:	20100305000000.000	Proposedco:	20100309000000.000
Permitappr:	20100309000000.000	Actualcons:	Not Reported
Completion:	20100427000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	No
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	No
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	12
Screenmate:	PVC	Minwelldia:	.75
Maxwelldia:	.75		
Locid:	827106		
X:	189900	Y:	192958
Latitude:	39.738106		
Longitude:	-75.534489		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	112-356	Watershed:	Brandywine Creek
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	4223		
Wellcontra:	Northeast Regional Probing Inc		
Owner:	Peninsula Ventures VIII LLC		
Owneraddre:	2213 Concord Pike, Wilmington, DE 19803 US		
Grouttop:	0	Groutbase:	1.5
Groutmater:	Bentonite	Graveltop:	1.5
Gravelbase:	12	Gravelmate:	Gravel
Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000097864

BH810
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108695**

Objectid:	108695		
Permitnumb:	242642		
Localwelli:	SV-3	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-058.30-025
Septicperm:	n/a	Wellauthco:	6460716
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20130318000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	7	Totaldep00:	8
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	SV-3	Apprecdate:	20130301104050.000
Locreviewd:	20130301104050.000	Proposedco:	20130304000000.000
Permitappr:	20130304000000.000	Actualcons:	Not Reported
Completion:	20130430000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	7
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	1017479		
X:	189273.5	Y:	191714
Latitude:	39.726894		
Longitude:	-75.541782		

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Ezion Fair Baptist Church		
Owneraddre:	1230 North French Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	0
Groutmater:	Not Reported	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000108695

BH811
West
1/2 - 1 Mile
Lower

DE WELLS **DE1000000108696**

Objectid:	108696		
Permitnumb:	242643		
Localwelli:	SV-5	Welltype:	Monitor - Standard
Dgsid:	Not Reported	Taxid:	26-058.30-025
Septicperm:	n/a	Wellauthco:	6460716
Wellstatus:	Completed		
Estmaxcapa:	0		
Estdailyus:	0		
Requiresal:	NO	Estconstru:	20130318000000.000
Proposeddr:	Augered	Formation:	Undetermined
Aquifer:	Undetermined	Pumpmaker:	Not Reported
Pumpintake:	0	Pumptestra:	0
Pumpratedc:	0		
Pumptestti:	0		
Pumpingwat:	0	Retainwell:	N
Staticwate:	0	Waterlevel:	Not Reported
Totaldepth:	7	Totaldep00:	8
Welltermun:	0	Welltermin:	Not Reported
Replacemen:	N	Replacedwe:	Not Reported
Wellabando:	Not Reported	Wellaban00:	Not Reported
Localid:	SV-5	Apprecdate:	20130301104054.000
Locreviewd:	20130301104054.000	Proposedco:	20130304000000.000
Permitappr:	20130304000000.000	Actualcons:	Not Reported
Completion:	20130430000000.000	Abandonrep:	Not Reported
Reclassify:	Not Reported	Potable:	No
Testtemp:	No	Gmz:	Yes
Wellpit:	Yes	Replacem00:	No
Allocrevie:	No	Sampled:	Yes
Cpcn:	Yes	Agprecdist:	No
Floodplain:	Yes	Smalllot:	No
Injection:	No	Pciv:	Yes
Emergency:	No	Confined:	No
Reviewable:	No	Existing:	No
Screentop:	2	Screenbase:	7
Screenmate:	PVC	Minwelldia:	1
Maxwelldia:	1		
Locid:	1017480		
X:	189273.5	Y:	191714
Latitude:	39.726894		
Longitude:	-75.541782		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Locationme:	Address Matching-House Number	County:	New Castle North
Modgrid:	110-354	Watershed:	Christina River
Basin:	Piedmont	Usgshydrol:	02040205
Licensenum:	52		
Wellcontra:	Walton Corporation		
Owner:	Ezion Fair Baptist Church		
Owneraddre:	1230 North French Street, Wilmington, DE 19801 US		
Grouttop:	0	Groutbase:	1
Groutmater:	Bentonite	Graveltop:	0
Gravelbase:	0	Gravelmate:	Not Reported
Innercasin:	0	Innercas00:	2
Innercas01:	PVC	Site id:	DE1000000108696

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: DE Radon

Radon Test Results

Zipcode	Num Tests	< 4 pCi/L	4 - 10	10 - 20	> 20 pCi/L
19801	268	246	19	1	2

EPA Region 3 Statistical Summary Readings for Zip Code: 19801

Number of sites tested: 94.

Maximum Radon Level: 37.7 pCi/L.
Minimum Radon Level: 0.2 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
81 (86.17%)	11 (11.70%)	1 (1.06%)	1 (1.06%)	0 (0.00%)	0 (0.00%)

Federal EPA Radon Zone for NEW CASTLE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Statewide Wetlands Mapping Project
Source: Dept. of Natural Resources & Environmental Conservation
Telephone: 302-739-4691

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Delaware Water Well Data
Source: Department of Natural Resources and Environmental Conservation
Telephone: 302-739-4860

OTHER STATE DATABASE INFORMATION

RADON

State Database: DE Radon
Source: Division of Public Health
Telephone: 302-739-4731
Radon Screening Survey of Private Dwellings

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

EPA Region 3 Statistical Summary Readings
Source: Region 3 EPA
Telephone: 215-814-2082
Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Wilmington Harbor North
12st and Hay Rd
Wilmington, DE 19801

Inquiry Number: 4674928.5
July 18, 2016

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

07/18/16

Site Name:

Wilmington Harbor North
12st and Hay Rd
Wilmington, DE 19801
EDR Inquiry # 4674928.5

Client Name:

U.S. Army Corps of Engineers
Wannamaker Building
Philadelphia, PA 19107
Contact: William Harris

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2002	1"=500'	Flight Date: February, 24 2002	USGS
1998	1"=500'	Flight Date: February, 26 1998	USGS
1992	1"=750'	Flight Date: March, 29 1992	USGS
1991	1"=500'	Acquisition Date: March, 11 1991	USGS/DOQQ
1984	1"=500'	Flight Date: February, 06 1984	USGS
1982	1"=500'	Flight Date: March, 28 1982	USGS
1974	1"=500'	Flight Date: March, 13 1974	EDR Proprietary Aerial Viewpoint
1970	1"=500'	Flight Date: February, 22 1970	USGS
1965	1"=500'	Flight Date: April, 04 1965	USGS
1962	1"=500'	Flight Date: March, 01 1962	EDR Proprietary Aerial Viewpoint
1954	1"=500'	Flight Date: April, 09 1954	JACK
1940	1"=500'	Flight Date: March, 11 1940	EDR Proprietary Aerial Viewpoint

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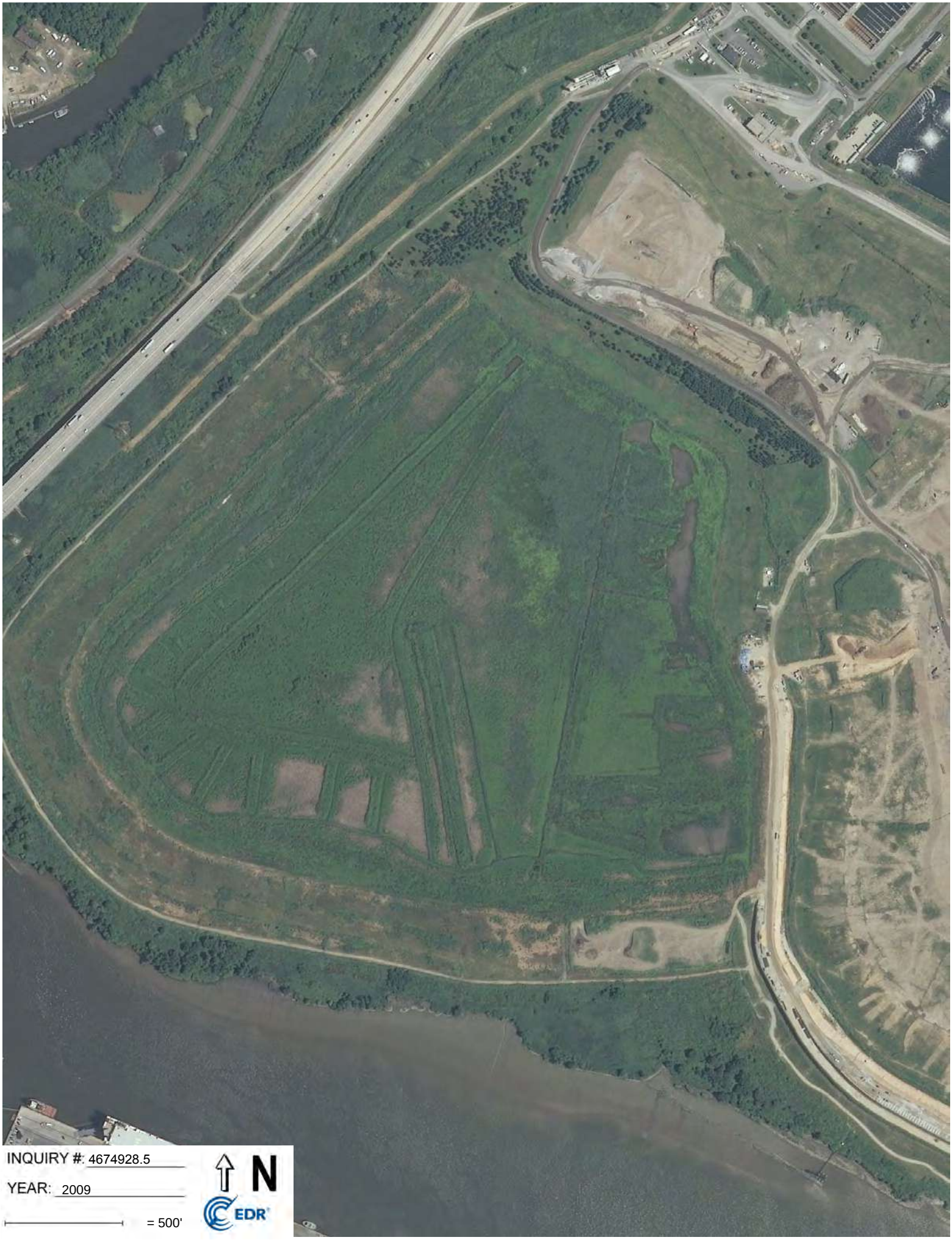
INQUIRY #: 4674928.5
YEAR: 2011
= 500'
N
EDR


INQUIRY #: 4674928.5
YEAR: 2010
= 500'
N
EDR


INQUIRY #: 4674928.5
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 4674928.5
YEAR: 2008
= 500'
N
EDR


INQUIRY #: 4674928.5
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 4674928.5
YEAR: 2002
= 500'
N
EDR


INQUIRY #: 4674928.5
YEAR: 1998
= 500'
N
EDR


INQUIRY #: 4674928.5
YEAR: 1992
= 750'
N
EDR



INQUIRY #: 4674928.5

YEAR: 1991

= 500'

N

EDR



INQUIRY #: 4674928.5

YEAR: 1984

= 500'

N

EDR



INQUIRY #: 4674928.5

YEAR: 1982

= 500'

N

EDR



INQUIRY #: 4674928.5

YEAR: 1974

= 500'

N

EDR



INQUIRY #: 4674928.5

YEAR: 1970

= 500'

N

EDR



INQUIRY #: 4674928.5

YEAR: 1965

= 500'

N

EDR


INQUIRY #: 4674928.5
YEAR: 1962
= 500'
N
EDR


INQUIRY #: 4674928.5
YEAR: 1954
= 500'
N
EDR

Wilmington Harbor North
12st and Hay Rd
Wilmington, DE 19801

Inquiry Number: 4674928.3
July 15, 2016

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/15/16

Site Name:

Wilmington Harbor North
12st and Hay Rd
Wilmington, DE 19801
EDR Inquiry # 4674928.3

Client Name:

U.S. Army Corps of Engineers
Wannamaker Building
Philadelphia, PA 19107
Contact: William Harris

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Certified Sanborn Results:

Certification # 6D6F-48F1-A323

PO # NA

Project Wilmington Harbor north

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 6D6F-48F1-A323

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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Wilmington Harbor North
12st and Hay Rd
Wilmington, DE 19801

Inquiry Number: 4674928.6
July 19, 2016

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2013	☑	☐	Cole Information Services
2008	☑	☐	Cole Information Services
2003	☑	☐	Cole Information Services
1999	☑	☐	Cole Information Services
1995	☑	☐	Cole Information Services
1992	☑	☐	Cole Information Services
1983	☑	☐	Polk's City Directory
1982	☑	☐	Polk's City Directory
1978	☑	☐	Polk's City Directory
1973	☑	☐	Polk's City Directory
1968	☑	☐	Polk's City Directory
1964	☑	☐	Polk's City Directory

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FINDINGS

TARGET PROPERTY STREET

12st and Hay Rd
Wilmington, DE 19801

Year	*CD Image*	*Source*
E 12TH ST		
2013	pg A1	Cole Information Services
2008	pg A3	Cole Information Services
2003	pg A6	Cole Information Services
1999	pg A9	Cole Information Services
1995	pg A11	Cole Information Services
1992	pg A14	Cole Information Services
1983	pg A16	Polk's City Directory
1978	pg A19	Polk's City Directory
1973	pg A22	Polk's City Directory
1968	pg A25	Polk's City Directory
1964	pg A27	Polk's City Directory
HAY RD		
2013	pg A2	Cole Information Services
2008	pg A5	Cole Information Services
2003	pg A8	Cole Information Services
1999	pg A10	Cole Information Services
1995	pg A13	Cole Information Services
1992	pg A15	Cole Information Services
1982	pg A17	Polk's City Directory
1982	pg A18	Polk's City Directory
1978	pg A20	Polk's City Directory
1978	pg A21	Polk's City Directory
1973	pg A23	Polk's City Directory
1973	pg A24	Polk's City Directory
1968	pg A26	Polk's City Directory
1964	pg A28	Polk's City Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	Cole Information Services

E 12TH ST 2013

400	PENNY WILLIAMS
401	HIGH SCHOOL WELLNESS CENTERS
	NEW CASTLE COUNTY VOCATIONAL TECHNIC
	WELLNESS CENTERS HODGSON HIGH SCHOOL
402	AISHA HARRIS
	STEPHANIE STEWART
404	STEPHEN HAYES
406	DWIGHT DOCKERY
	JERRY JOHNSTON
	KEVIN PRICE
408	OCCUPANT UNKNOWN
410	ALLAN MASSEY
412	ROBERT MCGEE
414	OCCUPANT UNKNOWN
416	JUAN MELENDEZ
418	JOHN RICHARDSON
422	KATHLEEN JOYCE
424	NATHAN MINOR
426	MARY CAMMILE
500	PENTECOSTAL CHURCH OF LIVING GOD
512	EMMA MCMILLAN
514	OCCUPANT UNKNOWN
516	OCCUPANT UNKNOWN
520	OCCUPANT UNKNOWN
524	LASHAWN MCCRAY
526	ROBERTO RIOS
528	ROSEMARY JONES
530	CARLA BRITTINGHAM
532	DARNELL MEEKINS
534	BRANDON LEE BRINKLEY FOUNDATIO
	ROBIN BRINKLEY
536	CHANELL DAWKINS
538	AUDREY JACKSON
540	RAHSAAN DESHIELDS
542	D MOSES
544	WALKER JONES
1204	ABSOLUTE LAWN CARE INC
	BRANDYWINE PAPER SUPPLY
	GROUNDWATER TREATMENT & TECHNOLOGY
	MIDSOUTH BUILDING SUPPLY WILMINGTON
	ROSEYS TANK CLEANING
	TOP QUALITY INDUSTRIAL FINISHERS INC
1301	DELAWARE STATE OF DEPARTMENT OF CORR
1302	EQUIPMENT CLEARING HOUSE LLC
1318	FAMILY AUTO REPAIRSALES
	GRASS ROOTS RAIN MAKER IRRIGATION
	MBNA SURPLUS OFFICE FURNITURE
	PREFERRED MARBLE & GRANITE LLC
1706	CUMMINS POWER GENERATION

Target Street	Cross Street	Source
✓	-	Cole Information Services

HAY RD 2013

1	BASICINDUSTRIES INC
	IKO MANUFACTURING INC
	SHARED SYSTEM TECHNOLOGY INC
	V F L TECHNOLOGY
104	EAGLEBROOK INC
	RAY ANGELINI INC
	VA WASTE SERVICESION
135	HOLLAND MULCH
200	VERSITECH
	VOGTNEM D HILL
4600	FAIRMONT SUPPLY COMPANY

Target Street	Cross Street	Source
✓	-	Cole Information Services

E 12TH ST 2008

195	EDGEMOOR MATERIALS INC
301	JOHN HOLTZMAN
400	PIA LOWMAN
401	HOWARD HIGH SCHOOL OF TECHNOLOGY
	NEW CSTL CNT VCTNL SCHOOL DST
402	STEPHANIE STEWART
404	OCCUPANT UNKNOWN
406	L FOREMAN
	RONALD TANN
408	REGGIE GRINNELL
410	AMYN WILLIAMS
412	ROBERT MCGEE
416	JUAN MELENDEZ
418	OCCUPANT UNKNOWN
422	OCCUPANT UNKNOWN
424	OCCUPANT UNKNOWN
426	RUTH WADE
500	OCCUPANT UNKNOWN
	PENTECOSTAL CHURCH OF LIVING GOD
512	ANTHONY GAMBACORTA
514	CAMELLE BAILEY
516	SHEILA WELCH
518	MARIETTA WHARTON
520	RANDALL SPENCER
522	KEYONA LINCH
524	EUGENIA COLE
526	ROBERTO RIOS
528	SHANTE PHILLIPS
530	CARLA BRITTINGHAM
532	JULIETTE WILLIAMS
534	ROBIN BRINKLEY
536	RENA COOPER
538	AUDREY JACKSON
540	SANDRA WILSON
542	D MOSES
544	DAWN THOMAS
1204	LA FLOR MEXICANA OF DELAWARE LLC
	MIDSOUTH BUILDING SUPPLY
	TOP QUALITY INDUSTRIAL FINISHERS INC
1301	CIVIGENICS INC
	DELAWARE DEPARTMENT CORRCTN
	SUPREME COURT OF THE STATE DEL
1302	MARVIN MOWBRAY
1318	DELCHEM INC
	ROLLER SERVICE CORP
	STANLEY BARCZAK
1330	BRANDYWINE DIST SERVICES LLC
1391	DANNY COLAMAIO
1706	BARCLAY WHITE SKANSKA
	CEREZA ENERGY INC

1706 DELAWARE SOLID WASTE AUTHORITY
DSWACI LANDFILL GAS OPERATION

Target Street	Cross Street	Source
✓	-	Cole Information Services

HAY RD 2008

104	E I DU PONT DE NEMOURS & CO
	EAGLEBROOK INC
	EDGE MOOR DUPONT EMPL FCU
120	GOLDIS ENTERPRISES INC
	IKO MANUFACTURING INC
	MONROE IKO INC
135	HOLLAND MULCH INC
198	CONECTIV
200	BASIC
	DELMARVA POWER & LIGHT CO
4500	VOGT NEM INC
	WASHINGTON GROUP INTERNATIONAL CORP

Target Street	Cross Street	Source
✓	-	Cole Information Services

E 12TH ST 2003

301	JOHN HOLTZMAN
400	MAURICE MONEY
401	HOWARD WELLNESS CTR
	MEDICAL CTR OF DELAWARE SPCH
	NEW CSTL CNT VCTNL SCHOOL DST
	OCCUPANT UNKNOWN
	WELLNESS CNTR HWRD TCHNCL HIGH
402	STEPHANIE STEWART
404	ROBERT MCGEE
406	ADRIENNE POTTS
	ROGER ERVIN
	YVETTE REYNAUD
408	LYNISHA FOREMAN
410	TERESA OLIVER
412	ROBERT MCGEE
414	CHEVALA OLIVER-BRITTINGHAM
416	JUAN MELENDEZ
418	OCCUPANT UNKNOWN
426	RUTH WADE
500	OCCUPANT UNKNOWN
	PENTECOSTAL CHURCH OF LVNG GOD
512	BARBARA MATHIS
514	ELTON GEORGE
516	JOANNA DORSEY
518	MARIETTA WHARTON
520	ANISSA WRIGHT
522	VANESSA COOPER
524	OCCUPANT UNKNOWN
526	RICHARD JAMISON
528	RAYMOND JONES
530	STVEN BRITTINGHAM
532	JULIETTE MEEKINS
534	ROBIN BRINKLEY
536	BEVERLY MONEY
538	AUDREY JACKSON
540	SANDRA WILSON
542	EMERY GRAHAM
544	DANIELLE JONES
1000	OCCUPANT UNKNOWN
1204	JSC ENTERPRISES
	SMURFIT PLASTIC PACKAGING
1301	CREST OUTREACH
1302	MARVIN MOWBRAY
1318	DELCHEM INC
	EXPORT AUTO CTR INC
	ROLLER SERVICE CORP
1330	ASSET RECOVERY SERVICES
	OCCUPANT UNKNOWN
1391	DANNY COLAMAIO
1706	CEREZA ENERGY INC

Target Street	Cross Street	Source
✓	-	Cole Information Services

E 12TH ST 2003 (Cont'd)

1706 CHERRY ISLAND LLC

Target Street	Cross Street	Source
✓	-	Cole Information Services

HAY RD 2003

104	BADAR ALAM
	EAGLEBROOK INC
	EDGE MOOR DUPONT EMPL FCU
120	GOLDIS HOLDINGS INC
	IKO
	IKO MFG INC
	IKO MONROE INC
	IKO PRODUCTION INC
	IKO SALES INC
	OCCUPANT UNKNOWN
135	HOLLAND MULCH
	JOHN DUFFY
200	JW STEWART INC
	NEM D VOGT
	OCCUPANT UNKNOWN
1285	EDGEMOOR MATERIALS INC
4600	FAIRMONT SUPPLY CO
	MODERN TRANSPORTATION
	OCCUPANT UNKNOWN

Target Street	Cross Street	Source
✓	-	Cole Information Services

E 12TH ST 1999

401	MEDICAL CENTER OF DELAWARE SPEECH & HEARING
	NEW CASTL CNTY VOCNL TECHNICAL SCHOOL DISTRICT SECONDARY P
	OCCUPANT UNKNOWN
	WELLNESS CENTERS HOWARD TECHNICAL HIGH SCHOOL
402	OCCUPANT UNKNOWN
404	ROBERT MCGEE
406	ALETHA STOVALL
408	OCCUPANT UNKNOWN
410	OCCUPANT UNKNOWN
412	GERTRUD MCGEE
414	C OLIVER
416	JUAN MELENDEZ
418	OCCUPANT UNKNOWN
420	JAMES SMITH
422	OCCUPANT UNKNOWN
424	BRENDA ARMSTRONG
426	RUTH WADE
512	S JACKSON
514	SHARON HOWARD
516	JOANNA DORSEY
518	FRANCET WILLIAMS
520	OCCUPANT UNKNOWN
522	VANESSA COOPER
524	OCCUPANT UNKNOWN
526	OCCUPANT UNKNOWN
528	RAYMOND JONES
530	STEVE BRITTINGHAM
532	J WILLIAMS
534	ROBIN BRINKLEY
540	SANDRA WILSON
542	EMERY GRAHAM
1000	J GRILLO
1204	SMURFIT PLASTIC PACKAGING INCORPORATED PLASTICS DIVISON
	SMURFIT PLASTICS
1301	SPUD BURNS
1318	ABHE & SVOBODA
	GEORGE KHOURY
	ROLLER SERVICE CORPORATION
	TRI STATE SALES
	TRI STATE SALES INCORPORATED
1330	ASSET RECOVERY SERVICES
	ASSET RECOVERY SERVICES LLC
	METCO EQUIPMENT COMPANY
	TAFT

Target Street	Cross Street	Source
✓	-	Cole Information Services

HAY RD 1999

104 MOBILE DREDGING & PUMPING
MOBILE DREDGING & PUMPING COMPANY
150 SEVENSON ENVIRONMENTAL SERVICES INCORPORATED
198 SIEMENS POWER CORPORATION
200 NOOTER CONSTRUCTION

Target Street	Cross Street	Source
✓	-	Cole Information Services

E 12TH ST 1995

0	ASH WORK INC
	BRENDA'S HOT DOG HAVEN INC
	CHERRY ISLAND INC
401	HOWARD CAREER CTR
	NEW CASTLE COUNTY VOCATIONAL
404	MCGEE, ROBERT L III
406	MONEY, MAURICE
408	CHAMBERS, HOWARD
410	OCCUPANT UNKNOWNN
412	MCGEE, G H
414	OLIVER, B C
416	MELENDEZ, JUAN J
418	STEWART, DAMON
420	SMITH, JAMES
422	NEWMAN, ETHEL A
424	ARMSTRONG, BRENDA M
426	WADE, WILLIE T
500	PENTECOSTAL CHURCH LIVING GOD
512	MARTIN, CARL II
516	DORSEY, JOANNA M
518	WHARTON, M E
520	HARRIS, TINA
522	COOPER, VANESSA
524	JACKSON, DONNA
530	BRITTINGHAM, STEVEN L
532	WILLIAMS, J E
534	BRINKLEY, ROBIN D
1000	GRILLO J N & SONS
1108	HEARN, M C
1137	MESSICK, G A
1204	BRANDYWINE COMPOUNDING CO
	C C A ENTERPRISES
	J S C ENTERPRISES
	OCCUPANT UNKNOWNN
	SMURFIT COMPOUNDING
	SMURFIT PLASTICS
1301	CLASSIFICATION
	CRIMINAL FACILITY
	FOOD SERVICES
	JUSTICE OF THE PEACE
	MAINTENANCE
	PRE-TRIAL SVCS
	RECORDS
	WARDEN'S OFC
	YOUNG, ERIC
1318	DELCHEM INC
	EXPORT AUTO CTR INC
	GEM AUTO SERVICE
	PTFE COMPOUNDS INC
	ROLLER SERVICE CORP

1318 TODAYS WORLD INC
1330 CSC METAL PROCESSING
METCO EQUIPMENT CO

Target Street	Cross Street	Source
✓	-	Cole Information Services

HAY RD 1995

0	BASIC INDUSTRIES
	ELECTRICAL POWER SYS
	I K O MFG INC
	SPRENGER CORP
	VALLEY WAREHOUSE INC
104	BIRD ENVIRONMENTAL TECHNOLOGY INC
120	SURECOMP SALES INC
200	SEVENSON ENVIRONMENTAL SVCS
4600	DU PONT
	FAIRMONT SUPPLY CO

Target Street	Cross Street	Source
✓	-	Cole Information Services

E 12TH ST 1992

0	BRANDYWINE INDUSTRIAL COMPLEX
	CHERRY ISLAND INC
	ENVIROTECH OPERATING SERVICES
	WILMINGTON WATER DIV SERVICE STATION
401	HOWARD CAREER CENTER
	NEW CASTLE CO SECONDARY PROGRAMS
	NEW CASTLE COUNTY DIST HOWARD CAREER
404	GAINES, RENEE A
406	EDWARDS, JAMES
	MONEY, MAURICE
414	WOLFORD, SANDRA K
420	SMITH, JAMES
422	DOBSON, W M
424	ARMSTRONG, BRENDA M
500	LOCKAMY, BENNIE
516	DORSEY, JOANNA M
520	BELL, ANTHONY C
802	INNER CIRCLE ASSN
1000	GRILLO J N & SONS
1020	JUVENILE AWARENESS EDUCATION PROGRAM
1108	HEARN, M C
1129	IMPORT & DOMESTIC AUTOMOBILE REPAIR
1204	SMURFIT COMPOUNDING
	SMURFIT PLASTICS
1301	CLASSIFICATION
	FOOD SERVICES
	GENERAL INF
	MAINTENANCE
	PRE-TRIAL SVCS
	RECORDS
	ST CORRECTION DEPT INSTITUTION
	ST J OF P COURT #18
	WARDEN'S OFC
1318	ROLLER SERVICE CORP
	SURPLUS ASSET SALES
4046	MCGEE, ROBERT L III

Target Street	Cross Street	Source
✓	-	Cole Information Services

HAY RD 1992

0	AMERICAN SPECIALTY CONTRACTORS INC
	BRANDYWINE CONSTRN CO
	CENTERPOINT ASSOCS
	DELCHEM INC
	ELECTRICAL POWER SYS
	HI-TECH INDUSTRIES
	HUBER GEO H PAINTER
	I K O MFG INC
	PG CONSTRUCTION CO
	UTILITY POWER CORP
	VALLEY WAREHOUSE INC
	WILMINGTON WASTEWATER TREATMENT PLANT
1	DU PONT DE NEMOURS E I & CO EDGEMOOR PLNT
104	INTERIM DEWATERING SERVICES INC

Target Street	Cross Street	Source
✓	-	Polk's City Directory

E 12TH ST 1983

12TH ST E —FROM 1200 MARKET ST
EAST 1 NORTH OF E 11TH ST

ZIP CODE 19801
KING ST INTERSECTS
FRENCH ST INTERSECTS
WALNUT ST INTERSECTS
WILSON ST INTERSECTS
POPLAR ST INTERSECTS
400★Bradley Edna Mrs 993-8100
401 Howard Career Center 655-8800
402 Stewart Stephanie
404 Mc Gee Robt L III 652-8412
406★Benson Diane 655-1412
408 Simpers Rudolph S Jr ◎ 656-4887
410 Coleman Arth 658-0038
412 Mc Gee Gertrude H ◎ 656-8776
414★Wolford Sandra K ◎ 654-7547
416 Skinner Ada ◎ 656-0532
418 No Return
420 Smith James E 658-6077
422 Newman Ethel ◎ 652-6046
424 Armstrong Brenda M 655-5705
426★Wade Willie ◎
428 Huggins Market 656-8633
LOMBARD ST INTERSECTS
500 Pentecostal Church Of Living God 652-7993
Jones Mark A Rev ◎ 652-7993
502 Vacant
528 Vacant
530★Brittingham Steven L ◎
532★Brown Ida M 655-1468
534 Vacant
536★Lewis Joseph 652-6001
538 Vacant
540 Vacant
542 Vacant
544★Williams Vernon ◎
PINE ST INTERSECTS

ZIP CODE 19802
N HEALD ST INTERSECTS
1020 Kensey C J Sales Co paint 652-3368
1105 Vacant
1113 Vacant
1115 Vacant
1129 Vacant
1146 Vacant
1204 Container Corp Of Am (Plastics Div) 652-3601
N CLAYMONT ST INTERSECTS
BOWERS ST BEGINS
1400 Vacant
DURE ST BEGINS

Target Street	Cross Street	Source
✓	-	Polk's City Directory

HAY RD 1982

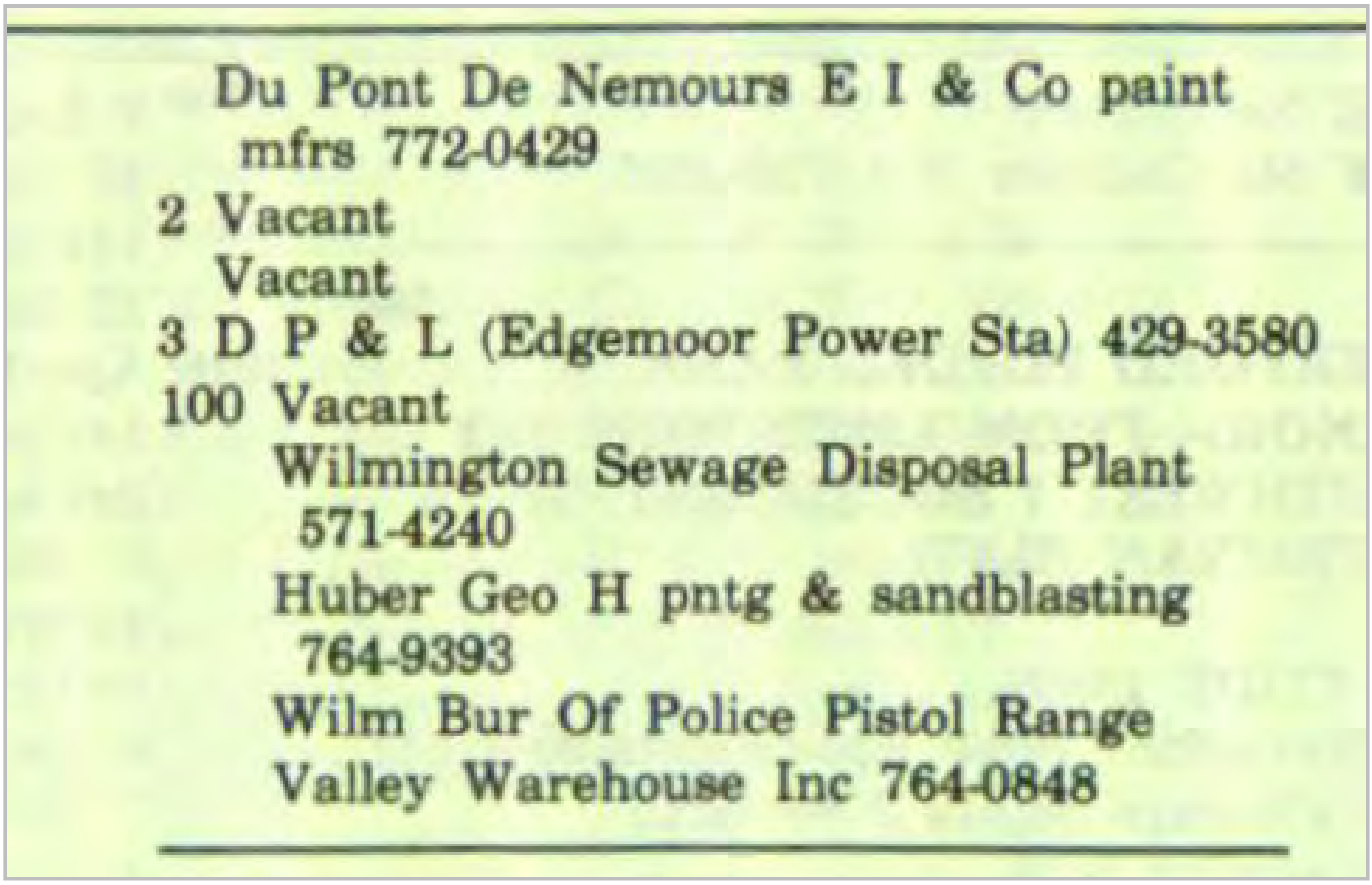
554

HAY RD (EDGEMOOR)—FROM
EDGEMOOR RD SOUTHWEST

ZIP CODE 19809
1 I K O Manufacturing Inc 764-3100

Target Street	Cross Street	Source
✓	-	Polk's City Directory

HAY RD 1982



Du Pont De Nemours E I & Co paint mfrs 772-0429
2 Vacant
Vacant
3 D P & L (Edgemoor Power Sta) 429-3580
100 Vacant
Wilmington Sewage Disposal Plant 571-4240
Huber Geo H pntg & sandblasting 764-9393
Wilm Bur Of Police Pistol Range
Valley Warehouse Inc 764-0848

Target Street	Cross Street	Source
✓	-	Polk's City Directory

E 12TH ST 1978

1120 Bryant Dempsey ◎ 658-5861
1121 Marek Stanley F ◎ 658-2968
1122 Field James ◎
1123 Godlewski Helen L Mrs ◎ 658-3398
1124 Laws Onie ◎ 656-4815
1125★Perry Mark A ◎
1126 Charles Ernest
1127 Anderson Diane Mrs ◎ 656-8034
1128 Furrowh Lillian S Mrs ◎ 654-2606
1129 Walters' Car Wash 655-9609
1130 Williams Myrtle Mrs ◎ 656-8960
1132★Sheehan Ernestine ◎
1134 Flowers Laura W 655-9398
1136 Nichles Alf ◎ 654-2642
1138 De Shields Margt E ◎ 655-1385
1140★Carlton Phillip J ◎
1142 Ingram Jannie B Mrs ◎ 659-7557
1144 Elmore Frank P ◎
1146 Vacant
1204 Container Corp Of Am (Plastics Div)
652-3601
CLAYMONT INTERSECTS
BOWERS BEGINS
1400 Electric Hose & Rubber Co mfrs
652-1161
DURE BEGINS

Target Street	Cross Street	Source
✓	-	Polk's City Directory

HAY RD 1978

554

HAY RD (EDGEMOOR)—FROM EDGEMOOR RD SOUTHWEST

ZIP CODE 19809

1 Vacant

Du Pont De Nemours E I & Co paint mfrs 774-1000

1 Vacant

2 Brunner Manufacturing Corp compressors 762-6515

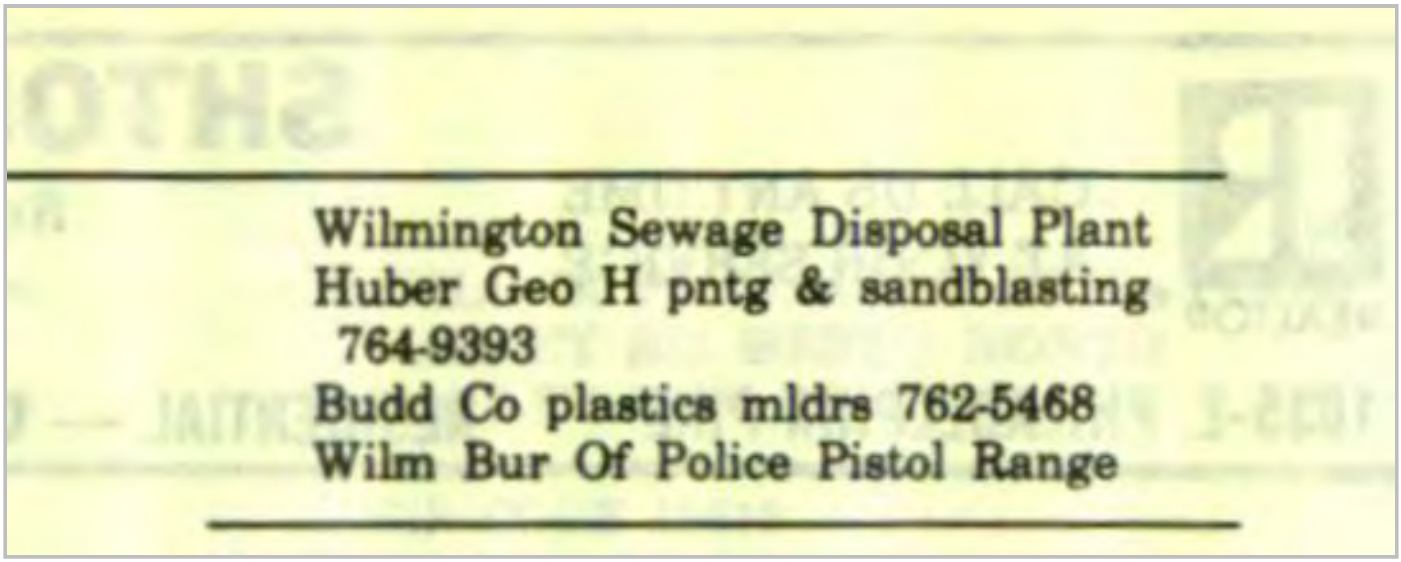
Ludwig Honold Manufacturing Co steel fabricators 762-4593

3 D P & L (Edgemoor Power Sta) 429-3580

100 Vacant

Target Street	Cross Street	Source
✓	-	Polk's City Directory

HAY RD 1978



Wilmington Sewage Disposal Plant
Huber Geo H pntg & sandblasting
764-9393
Budd Co plastics mldrs 762-5468
Wilm Bur Of Police Pistol Range

Target Street	Cross Street	Source
✓	-	Polk's City Directory

E 12TH ST 1973

1120 Vacant
1121 Marek Stanley F ◎ 658-2968
1122★Field C
1123 Godlewski Helen L Mrs 658-3398
1124 Laws Webster ◎ 656-4815
1125★Whiteside Josephine
1126 Morton Edw D ◎
1127 Anderson Diane 655-9424
1128 Furrowh Lillian S Mrs ◎ 654-2606
1129 Walters' Car Wash 655-9609
1130 Williams Myrtie Mrs 656-8960
Armstead Elbert
1132 Green Laura Mrs 656-2066
1134 Flowers Laura W 655-9398
1136 Galmore Helen 654-0791
1138 Terrell Geo
1140 Vacant
1142 Ingram Janey B Mrs 654-7755
1144 Elmore Frank P ◎ 652-8730
CLAYMONT INTERSECTS
BOWERS BEGINS
1400 Electric Hose & Rubber Co mfrs
655-6261
DURE BEGINS

Target Street	Cross Street	Source
✓	-	Polk's City Directory

HAY RD 1973

554

HAY RD (EDGEMOOR)—FROM EDGEMOOR RD SOUTHWEST

ZIP CODE 19809

1 Ludlow Textile Products yarn mfrs
764-8484

Target Street	Cross Street	Source
✓	-	Polk's City Directory

HAY RD 1973

HAY RD—Contd

Du Pont De Nemours E I & Co paint mfrs 774-1000

1 Artic Roofing Inc 764-2400

2 Graver Tank & Manufacturing Co 764-7700

Brunner Manufacturing Corp compressors 762-6515

Honald Ludwig Manufacturing Co steel fabricators 762-4593

3 D P & L (Edgemoor Power Sta) 429-3580

Bechtel Corp (D P & L Constn Project) 764-4234

4 Ethyl Corp 764-8315

6 Vacant

Wilm Bur Of Police Pistol Range

Target Street	Cross Street	Source
✓	-	Polk's City Directory

E 12TH ST 1968

12TH ST E—CONTD
1116 SAINT MARK'S BAPTIST CHURCH
1117 CARTY IRVIN H • 652-4040
---BRANDYWINE ENDS
1118 WALTERS LEOLA C MRS •
1119 GAINES DELICATESSEN 655-1811
GAINES LEONARD • 655-1811
1120 VACANT
1121 MAREK STANLEY F •
1122 VACANT
1123 GARYANTES LAWRENCE •
658-3398
1124 LAWS WEBSTER • 656-4815
LAWS ONIE S MRS NURSE
1125 VACANT
1126 VACANT
1127 WILDRIDGE STANLEY 655-6670
1128 FURROWH WM H • 654-2606
1129 WALTERS' CAR WASH 655-9609
1130 WILLIAMS MYRTLE 656-8960
ARMSTEAD ELBERT
1132 MATHEWS VIVIAN L MRS
656-2066
1136 WILSON ELIJAH
STAFFORD WM
1138 VACANT
1140 VACANT
1142 INGRAM JANNIE MRS 654-7557
1144 ELMORE FRANK P • 652-8730
1146 BROOKS MARCELLA R MRS

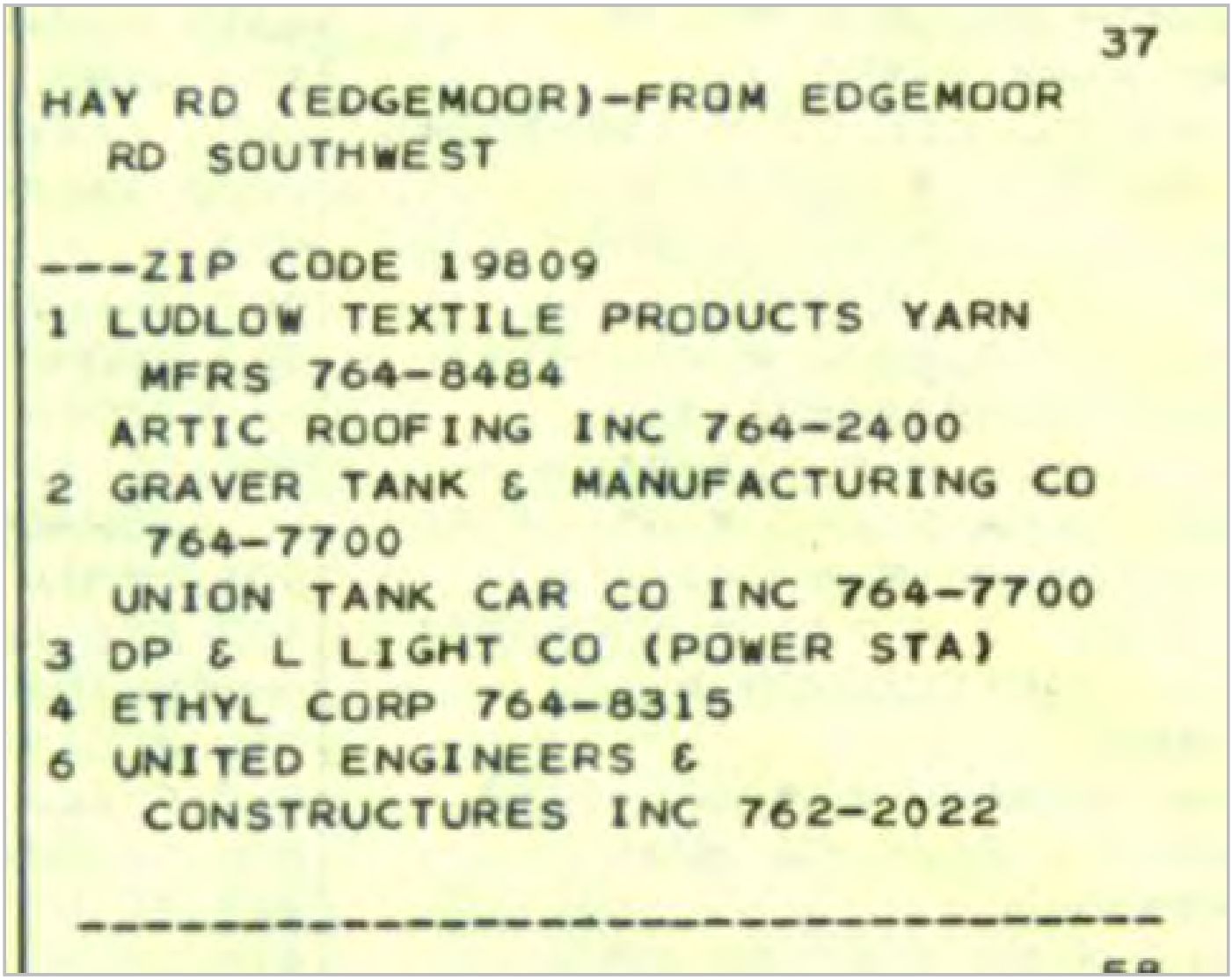
11

---CLAYMONT INTERSECTS
---BOWERS BEGINS
1400 ELECTRIC HOSE & RUBBER CO
MFRS 655-6261
---DURE BEGINS

17

Target Street	Cross Street	Source
✓	-	Polk's City Directory

HAY RD 1968



37

HAY RD (EDGEMOOR)-FROM EDGEMOOR
RD SOUTHWEST

---ZIP CODE 19809
1 LUDLOW TEXTILE PRODUCTS YARN
MFRS 764-8484
ARTIC ROOFING INC 764-2400
2 GRAVER TANK & MANUFACTURING CO
764-7700
UNION TANK CAR CO INC 764-7700
3 DP & L LIGHT CO (POWER STA)
4 ETHYL CORP 764-8315
6 UNITED ENGINEERS &
CONSTRUCTURES INC 762-2022

Target Street	Cross Street	Source
✓	-	Polk's City Directory

E 12TH ST 1964

1118 Leola's Confectionery OL4-1137
Walters Leola Mrs © OL4-1137
1119 Gaines Delicatessen
Gaines Leonard © OL5-1811
1120 Gould Bessie E OL2-6242
1121 Marek Stanley F OL5-4829
1122 Poce Jos F
1123 Garyantes Lawrence OL8-3398
1124 Laws Webster © OL6-4815
Laws Onia S Mrs nurse
1125 Bullock Louis B jr OL8-3971
1126 Darlington Walter J © OL8-3092
1127 Wildridge Stanley
1128 Furrowh Wm © OL4-2606
1129 Walter's Car Wash OL5-9609
1130 Williams Myrtle OL6-8960
1132 Vacant
1134 Vacant
1136 Flowers Willie
Malone Geo
1138 Todd Louis OL2-4339
1140 Crawford Wm C
1142 Ingram Jannie Mrs OL4-7557
1144 Elmore Frank P © OL2-8730
1146 Vacant

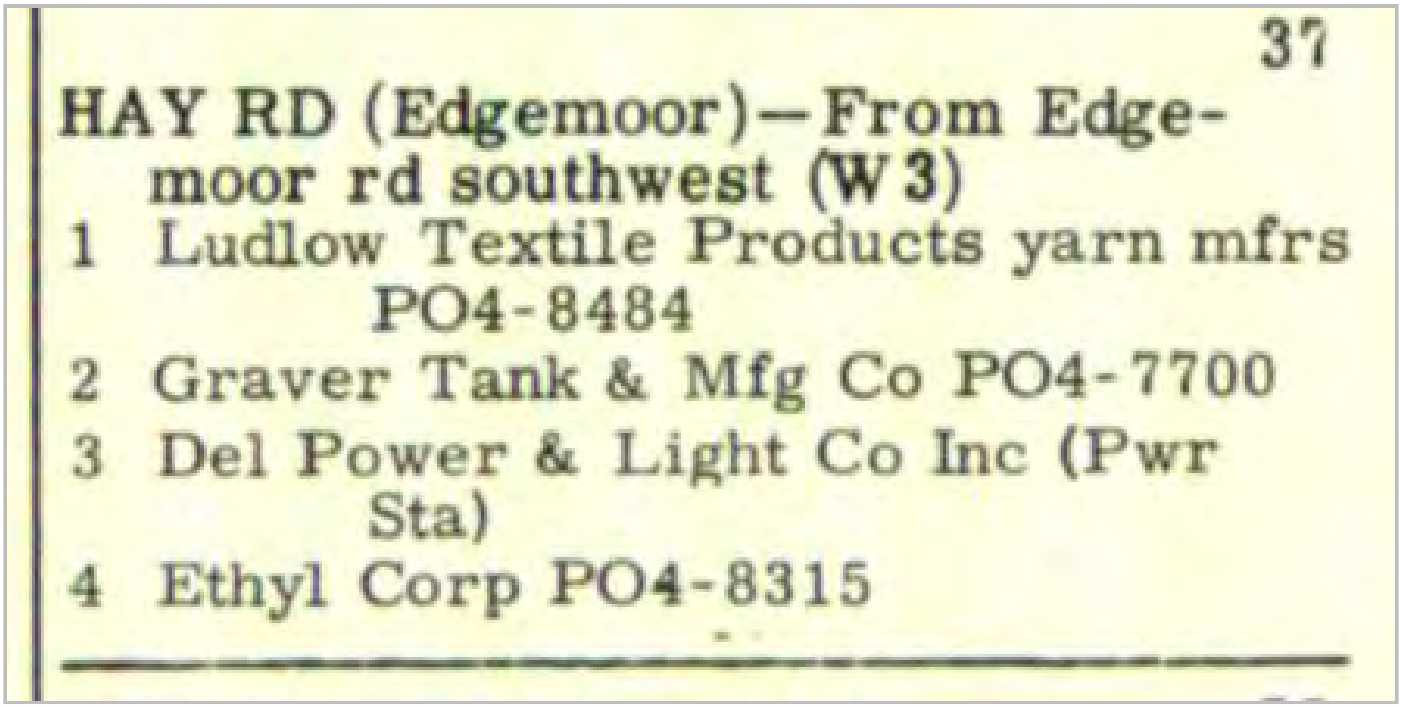
11

N Claymont intersects
Railroad av intersects
Bowers begins
1200 No return
1400 Elec Hose & Rubber Co
OL5-6261
Dure begins

17

Target Street	Cross Street	Source
✓	-	Polk's City Directory

HAY RD 1964



37

HAY RD (Edgemoor)—From Edgemoor rd southwest (W 3)

1 Ludlow Textile Products yarn mfrs PO4-8484

2 Graver Tank & Mfg Co PO4-7700

3 Del Power & Light Co Inc (Pwr Sta)

4 Ethyl Corp PO4-8315

APPENDIX H

Stephen D. Brower, P.G.



Director of Geoscience/ Principal

Phone: 610.935.5577
E-mail: sbrower@envstd.com

Professional Experience

Mr. Brower has more than 24 years of experience as a geologist/hydrogeologist for engineering and environmental consulting firms conducting subsurface soil and groundwater investigations. As the Director of Geoscience, he is responsible for department oversight and management of field and office activities associated with site investigations and remediation. Additional responsibilities include client and regulatory communications, cost estimating and work plan preparation, field oversight and management, regulatory interpretation, data evaluation, report preparation, and overall management of project direction and completion.

Mr. Brower has managed risk-based investigations, developed and implemented quality assurance programs, completed brownfield projects, managed multi-million dollar remediation projects, and managed the installation of soil and groundwater remediation systems for petroleum-contaminated and chlorinated hydrocarbon-contaminated sites. He has also conducted and managed pilot studies for soil-vapor extraction and groundwater pump and treat design parameters. Mr. Brower has also performed multiple field audits on groundwater sampling, surface water sampling, ambient air monitoring, soil sampling, and vapor sampling programs.

Mr. Brower is trained in health & safety measures, first aid and CPR, sample collection procedures, and air monitoring equipment related to hazardous site investigations. He has performed field inspections for construction projects including foundation investigations, landfill closures, and landfill construction.

Certifications

Mr. Brower is a Licensed Professional Geologist in Pennsylvania, Virginia, North Carolina, and Kentucky and a Licensed Remediation Specialist in West Virginia.

Memberships

Mr. Brower is a member of the National Ground Water Association and the Pennsylvania Council of Professional Geologists.

Education

Mr. Brower received a Bachelor of Science Degree in Geology from James Madison University in 1984 and a Master of Science Degree in Geology from West Virginia University in 1991.

Joseph P. Kraycik, P.G., CQA, LEED AP

Senior Consulting Geoscientist

Phone: 610.935.5577 x509
Email: jkraycik@envstd.com



Professional Experience

Mr. Kraycik is a Senior Consulting Geoscientist with nearly 25 years of progressive experience in the environmental consulting, engineering, and remediation industry. As a Senior Consulting Geoscientist, he is responsible for project management of remediation and assessment projects as well as quality assurance and quality control (QA/QC). His extensive experience encompasses geological sciences, project management, third-party and internal auditing, environmental remediation, geotechnical testing and analysis, and environmental sampling in a wide variety of geographic locations including New England, the Mid-Atlantic, and the western United States. Mr. Kraycik is also responsible for the preparation and review of technical reports (*e.g.*, environmental site assessments, petroleum storage tank closure reports, and large-scale multi-site due diligence reports) for regulatory review and approval.

Mr. Kraycik's project experience includes complex remedial investigation/design projects, the Pennsylvania Act 2 program, geographically expansive real estate transfers and brownfields redevelopment, environmental site assessments, tank investigations/removal, and third-party field auditing of environmental contractors and consultants.

Certifications

Mr. Kraycik is a Licensed Professional Geologist in New Hampshire (2002), an American Society for Quality Certified Quality Auditor (CQA; 2013), a Leadership in Energy and Environmental Design Accredited Professional (LEED AP; 2009), and holds an updated OSHA 1910.120 Hazardous Waste Operations Certification.

Memberships

Mr. Kraycik is an active member of the American Institute of Professional Geologists (AIPG; 2001) and serves on the Executive Committee of the Pennsylvania Section. He is also a member of the American Society for Quality (ASQ; 2013) and the Brownfields Coalition of the Northeast (BCONE).

Education

Mr. Kraycik received a Bachelor of Arts degree in Geo-Environmental Studies from Shippensburg University of Pennsylvania in 1993 and a Master of Arts degree in Earth Sciences from the University of Northern Colorado in 1996.

APPENDIX B

USFWS IPAC SPECIES LIST

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Chesapeake Bay Ecological Services Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401-7307
Phone: (410) 573-4599 Fax: (410) 266-9127
http://www.fws.gov/chesapeakebay/
http://www.fws.gov/chesapeakebay/endsppweb/ProjectReview/Index.html

In Reply Refer To: March 30, 2022
Project Code: 2022-0026179
Project Name: Willington Harbor North EA

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see https://www.fws.gov/birds/policies-and-regulations.php.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of

this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Wetlands

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

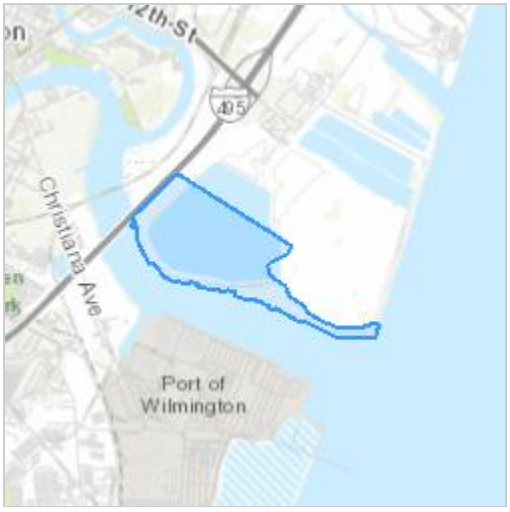
This species list is provided by:

Chesapeake Bay Ecological Services Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401-7307
(410) 573-4599

Project Summary

Project Code: 2022-0026179
Event Code: None
Project Name: Willington Harbor North EA
Project Type: Land Exchange
Project Description: Willington Harbor North, Confined Disposal Facility, Delaware
Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@39.724498600000004,-75.52419431700093,14z



Counties: New Castle County, Delaware

Endangered Species Act Species

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 2 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat *Myotis septentrionalis*	Threatened

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

- Projects with a federal nexus that have tree clearing = to or > 15 acres: 1. REQUEST A SPECIES LIST 2. NEXT STEP: EVALUATE DETERMINATION KEYS 3. SELECT EVALUATE under the Northern Long-Eared Bat (NLEB) Consultation and 4(d) Rule Consistency key

Species profile: https://ecos.fws.gov/ecp/species/9045

Insects

NAME	STATUS
Monarch Butterfly *Danaus plexippus*	Candidate

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

- The monarch is a candidate species and not yet listed or proposed for listing. There are generally no section 7 requirements for candidate species (FAQ found here: https://www.fws.gov/savethemonarch/FAQ-Section7.html).

Species profile: https://ecos.fws.gov/ecp/species/9743

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

Wetlands

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

ESTUARINE AND MARINE DEEPWATER

- E1UBL

FRESHWATER EMERGENT WETLAND

- PEM1Ks
- PEM5/SS1Ks

ESTUARINE AND MARINE WETLAND

- E2EM5P

FRESHWATER POND

- PUBHx

IPaC User Contact Information

Agency: Kleinschmidt Associates
Name: Karen Bishop
Address: 35 Pratt Street Suite 201
City: Essex
State: CT
Zip: 06246
Email karen.bishop@kleinschmidtgroup.com
Phone: 8605815877

Lead Agency Contact Information

Lead Agency: Army Corps of Engineers

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Chesapeake Bay Ecological Services Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401-7307
Phone: (410) 573-4599 Fax: (410) 266-9127

In Reply Refer To:
Project Code: 2022-0026179
Project Name: Willington Harbor North EA

April 21, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

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evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

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http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see https://www.fws.gov/birds/policies-and-regulations.php.

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Attachment(s):

- Official Species List

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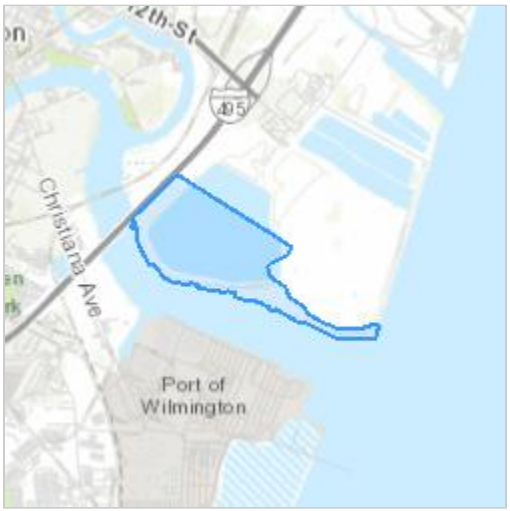
This species list is provided by:

Chesapeake Bay Ecological Services Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401-7307
(410) 573-4599

PROJECT SUMMARY

Project Code: 2022-0026179
Project Name: Willington Harbor North EA
Project Type: Land Exchange
Project Description: Willington Harbor North, Confined Disposal Facility, Delaware
Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@39.72434795,-75.52432300167466,14z



Counties: New Castle County, Delaware

ENDANGERED SPECIES ACT SPECIES

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 1 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Northern Long-eared Bat *Myotis septentrionalis*	Endangered

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/9045

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus*	Candidate

No critical habitat has been designated for this species.
This species only needs to be considered under the following conditions:

- The monarch is a candidate species and not yet listed or proposed for listing. There are generally no section 7 requirements for candidate species (FAQ found here: https://www.fws.gov/savethemonarch/FAQ-Section7.html).

Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

IPAC USER CONTACT INFORMATION

Agency: Kleinschmidt Associates
Name: Karen Bishop
Address: 35 Pratt Street Suite 201
City: Essex
State: CT
Zip: 06246
Email karen.bishop@kleinschmidtgroup.com
Phone: 8605815877

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Army Corps of Engineers

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Chesapeake Bay Ecological Services Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401-7307
Phone: (410) 573-4599 Fax: (410) 266-9127

In Reply Refer To:
Project code: 2022-0026179
Project Name: Willington Harbor North EA

May 03, 2023

Federal Action Agency (if applicable): Army Corps of Engineers

Subject: Record of project representative's no effect determination for 'Willington Harbor North EA'

Dear Karen Bishop:

This letter records your determination using the Information for Planning and Consultation (IPaC) system provided to the U.S. Fish and Wildlife Service (Service) on May 03, 2023, for 'Willington Harbor North EA' (here forward, Project). This project has been assigned Project Code 2022-0026179 and all future correspondence should clearly reference this number. **Please carefully review this letter.**

Ensuring Accurate Determinations When Using IPaC

The Service developed the IPaC system and associated species' determination keys in accordance with the Endangered Species Act of 1973 (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and based on a standing analysis. All information submitted by the Project proponent into the IPaC must accurately represent the full scope and details of the Project. Failure to accurately represent or implement the Project as detailed in IPaC or the Northern Long-eared Bat Rangewide Determination Key (Dkey), invalidates this letter.

Determination for the Northern Long-Eared Bat

Based upon your IPaC submission and a standing analysis, your project has reached the determination of "No Effect" on the northern long-eared bat. To make a no effect determination, the full scope of the proposed project implementation (action) should not have any effects (either positive or negative), to a federally listed species or designated critical habitat. Effects of the action are all consequences to listed species or critical habitat that are caused by the proposed action, including the consequences of other activities that are caused by the proposed action. A consequence is caused by the proposed action if it would not occur but for the proposed action and it is reasonably certain to occur. Effects of the action may occur later in time and may

include consequences occurring outside the immediate area involved in the action. (See § 402.17).

Under Section 7 of the ESA, if a federal action agency makes a no effect determination, no consultation with the Service is required (ESA §7). If a proposed Federal action may affect a listed species or designated critical habitat, formal consultation is required except when the Service concurs, in writing, that a proposed action "is not likely to adversely affect" listed species or designated critical habitat [50 CFR §402.02, 50 CFR§402.13].

Other Species and Critical Habitat that May be Present in the Action Area

The IPaC-assisted determination for the northern long-eared bat does not apply to the following ESA-protected species and/or critical habitat that also may occur in your Action area:

- Monarch Butterfly *Danaus plexippus* Candidate

You may coordinate with our Office to determine whether the Action may affect the animal species listed above and, if so, how they may be affected.

Next Steps

Based upon your IPaC submission, your project has reached the determination of “No Effect” on the northern long-eared bat. If there are no updates on listed species, no further consultation/ coordination for this project is required with respect to the northern long-eared bat. However, the Service recommends that project proponents re-evaluate the Project in IPaC if: 1) the scope, timing, duration, or location of the Project changes (includes any project changes or amendments); 2) new information reveals the Project may impact (positively or negatively) federally listed species or designated critical habitat; or 3) a new species is listed, or critical habitat designated. If any of the above conditions occurs, additional coordination with the Service should take place to ensure compliance with the Act.

If you have any questions regarding this letter or need further assistance, please contact the Chesapeake Bay Ecological Services Field Office and reference Project Code 2022-0026179 associated with this Project.

Action Description
You provided to IPaC the following name and description for the subject Action.

1. Name

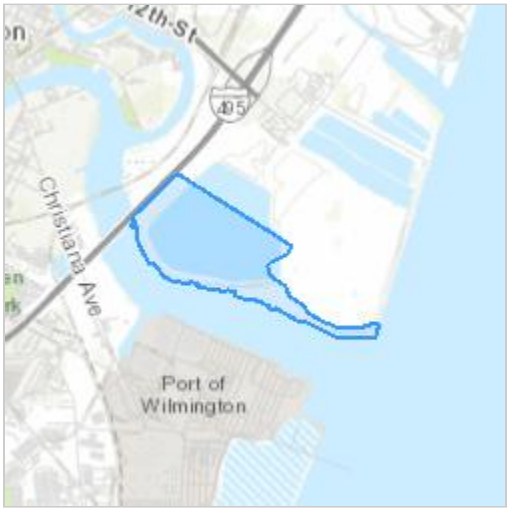
Willington Harbor North EA

2. Description

The following description was provided for the project 'Willington Harbor North EA':

> Willington Harbor North, Confined Disposal Facility, Delaware

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@39.72434795,-75.52432300167466,14z



DETERMINATION KEY RESULT

Based on the information you provided, you have determined that the Proposed Action will have no effect on the Endangered northern long-eared bat (Myotis septentrionalis). Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat. 884, as amended 16 U.S.C. 1531 *et seq.*) is required for those species.

QUALIFICATION INTERVIEW

1. Does the proposed project include, or is it reasonably certain to cause, intentional take of the northern long-eared bat or any other listed species?

   Note: Intentional take is defined as take that is the intended result of a project. Intentional take could refer to research, direct species management, surveys, and/or studies that include intentional handling/encountering, harassment, collection, or capturing of any individual of a federally listed threatened, endangered or proposed species?

   No

2. The proposed action does not intersect an area where the northern long-eared bat is likely to occur, based on the information available to U.S. Fish and Wildlife Service as of the most recent update of this key. If you have data that indicates that northern long-eared bats <u>are</u> likely to be present in the action area, answer "NO" and continue through the key.

   Do you want to make a no effect determination?

   Yes

PROJECT QUESTIONNAIRE

IPAC USER CONTACT INFORMATION

Agency: Kleinschmidt Associates
Name: Karen Bishop
Address: 35 Pratt Street Suite 201
City: Essex
State: CT
Zip: 06246
Email karen.bishop@kleinschmidtgroup.com
Phone: 8605815877

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Army Corps of Engineers

APPENDIX C

CORRESPONDENCE

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT
100 SOUTH INDEPENDENCE MALL WEST
PHILADELPHIA PA 19106-3400

March 22, 2023

Environmental Resources Branch

Adam Ortiz
Chief of NEPA Section, 309/NEPA Compliance Coordinator
U.S. Environmental Protection Agency, Region 3
Four Penn Center
1600 JFK Blvd., PA 19103-2029
Ortiz.adam@epa.gov

Dear Mr. Ortiz:

The U.S. Army Corps of Engineers, Philadelphia District (USACE) has prepared a draft Environmental Assessment (EA) for review titled: *Draft Environmental Assessment, Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware.*

This letter serves to notify you of the availability of the draft EA for the Land Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware. This EA evaluates the impacts associated with the Proposed Action of transferring a confined disposal facility (CDF) from the USACE to the Diamond State Port Corporation (DSPC), on behalf of the State of Delaware. An electronic copy of the draft EA can be downloaded from the USACE website at:
http://www.nap.usace.army.mil/Missions/Civil-Works/Public-Notices-Reports/.

The Proposed Action includes the conveyance of approximately 172 acres of Property from the USACE to the DSPC. This Property was identified as excess property due to economic infeasibility for USACE and therefore slated for conveyance to the State of Delaware in WRDA 2020, Section 356(d). The Property would continue to be used as a CDF under DSPC ownership, and activities consistent with use of the Property as a dredge material disposal site would continue to occur.

In accordance with Section 102 of the National Environmental Policy Act, we are requesting your review and comment of the draft EA within 30 days of the date of this letter. USACE is committed to continuing to work closely with Federal and State resource agencies, prior to and during conveyance of the property. If you have any questions regarding this project, please contact Ms. Barbara Conlin of the Environmental Resources Branch at (215) 656-6557, email Barbara.E.Conlin@usace.army.mil.

Sincerely,

BRANDRETH.MARY.ELIZABETH.1229130427

Digitally signed by BRANDRETH.MARY.ELIZABETH.1229130427
Date: 2023.03.23 10:46:01 -04'00'

FOR Peter R. Blum, P.E.
Chief, Planning Division

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT
100 SOUTH INDEPENDENCE MALL WEST
PHILADELPHIA PA 19106-3400

March 22, 2023

Environmental Resources Branch

Mike Johnson
Regional Climate and Resilience Coordinator
National Marine Fisheries Service
Habitat and Ecosystem Services Division
New England Habitat and Conservation Branch
55 Great Republic Drive. NOAA Fisheries Service.
Gloucester MA 01930
mike.r.johnson@noaa.gov

Dear Mr. Johnson:

In accordance with the National Environmental Policy Act (NEPA), the U.S. Army Corps of Engineers, Philadelphia District (USACE) has prepared a draft Environmental Assessment (EA) for review titled: *Draft Environmental Assessment, Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware.*

This letter serves to notify you of the availability of the draft EA for the Land Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware. This EA evaluates the impacts associated with the Proposed Action of transferring a confined disposal facility (CDF) from the USACE to the Diamond State Port Corporation (DSPC), on behalf of the State of Delaware. An electronic copy of the draft EA can be downloaded from the USACE website at: http://www.nap.usace.army.mil/Missions/Civil-Works/Public-Notices-Reports/

The Proposed Action includes the conveyance of approximately 172 acres of Property from the USACE to the DSPC. This Property was identified as excess property due to economic infeasibility for USACE and therefore slated for conveyance to the State of Delaware in WRDA 2020, Section 356(d). Under this Proposed Action, no in-water work would take place. The Property would continue to be used as a CDF under DSPC ownership, and activities consistent with use of the Property as a dredge material disposal site would continue to occur.

In accordance with the Fish and Wildlife Coordination Act (FWCA), USACE requests your review and comment on the draft EA. USACE is committed to continuing to work closely with Federal and State resource agencies, prior to, and during property conveyance. We request your review and comments on the draft report within 30 days of the date of this letter.

If you have any questions regarding this project, please contact Ms. Barbara Conlin of the Environmental Resources Branch at (215) 656-6557, email Barbara.E.Conlin@usace.army.mil.

Sincerely,

BRANDRETH.MARY.ELIZABETH.1229130427 Digitally signed by BRANDRETH.MARY.ELIZABETH.1229130427 Date: 2023.03.23 11:11:13 -04'00'

FOR

Peter R. Blum, P.E.
Chief, Planning Division

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT
100 SOUTH INDEPENDENCE MALL WEST
PHILADELPHIA PA 19106-3400

March 22, 2023

Environmental Resources Branch

Kimberly Damon-Randall
National Marine Fisheries Service
Office of Protected Resources
1315 East-West Highway. 13th Floor.
Silver Spring MD 20910
kimberly.damon-randall@noaa.gov

Dear Ms. Damon-Randall:

In accordance with the National Environmental Policy Act (NEPA), the U.S. Army Corps of Engineers, Philadelphia District (Corps) has released a draft Environmental Assessment (EA) for review titled: *Draft Environmental Assessment, Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware.*

This letter serves to notify you of the availability of the draft EA for the Land Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware. This EA evaluates the impacts associated with the Proposed Action of transferring a confined disposal facility (CDF) from the USACE to the Diamond State Port Corporation (DSPC), on behalf of the State of Delaware. An electronic copy of the draft EA can be downloaded from the USACE website at: http://www.nap.usace.army.mil/Missions/Civil-Works/Public-Notices-Reports/

The Proposed Action includes the conveyance of approximately 172 acres of Property from the USACE to the DSPC. This Property was identified as excess property due to economic infeasibility for USACE and therefore slated for conveyance to the State of Delaware in WRDA 2020, Section 356(d). Under this Proposed Action, no in-water work would take place. The Property would continue to be used as a CDF under DSPC ownership, and activities consistent with use of the Property as a dredge material disposal site would continue to occur.

Pursuant to Section 7 of the Endangered Species Act (ESA) of 1973, Federal agencies are required to coordinate with the National Marine Fisheries Service (NMFS) when an agency action may affect a listed species or their critical habitat. Pursuant to the ESA, we have concluded that the proposed conveyance of an upland parcel of land will have no impact to federally listed species or critical habitat under your agency's jurisdiction and request your concurrence with our determination.

USACE is committed to continuing to work closely with Federal and State resource agencies, prior to, and during property conveyance. We request your review and comments on the draft report within 30 days of the date of this letter.

If you have any questions regarding this project, please contact Ms. Barbara Conlin of the Environmental Resources Branch at (215) 656-6557, email Barbara.E.Conlin@usace.army.mil.

Sincerely,

FOR BRANDRETH.MARY.ELIZABETH.1229130427
Digitally signed by BRANDRETH.MARY.ELIZABETH.1229130427
Date: 2023.03.23 10:29:21 -04'00'

Peter R. Blum, P.E.
Chief, Planning Division

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT
100 SOUTH INDEPENDENCE MALL WEST
PHILADELPHIA PA 19106-3400

March 22, 2023

Environmental Resources Branch

Ms. Gwenyth A. Davis
Deputy State Historic Preservation Officer
State of Delaware
Historical and Cultural Affairs
21 The Green
Dover, DE 19901-3611

Gwen.davis@delaware.gov

Dear Ms. Davis:

The U.S. Army Corps of Engineers, Philadelphia District (USACE) has prepared a draft Environmental Assessment (EA) for review titled: *Draft Environmental Assessment, Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware.*

This letter serves to notify you of the availability of the draft EA for the Land Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware. This EA evaluates the impacts associated with the Proposed Action of transferring a confined disposal facility (CDF) from the USACE to the Diamond State Port Corporation (DSPC), on behalf of the State of Delaware. An electronic copy of the draft EA can be downloaded from the USACE website at: http://www.nap.usace.army.mil/Missions/Civil-Works/Public-Notices-Reports/

The Proposed Action includes the conveyance of approximately 172 acres of Property from the USACE to the DSPC. This Property was identified as excess property due to economic infeasibility for USACE and therefore slated for conveyance to the State of Delaware in WRDA 2020, Section 356(d). The Property would continue to be used as a CDF under DSPC ownership, and activities consistent with use of the Property as a dredge material disposal site would continue to occur.

In accordance with Section 102 of the National Environmental Policy Act, and Section 106 of the National Historic Preservation Act, the USACE is requesting your review and comment on the draft report within 30 days of the date of this letter. The proposed land transfer of an existing CDF will have *No Effect* on historic properties eligible for or listed on the National Register of Historic Places pursuant to 36CFR800.4(d)(1).

We request your review of the EA and your concurrence with our *No Effect* determination. If you have any questions or comment please contact our District Cultural Resource Specialist and Tribal Liaison, Nikki Minnichbach via email at Nicole.c.minnichbach@usace.army.mil or by phone at 215-656-6556. If you have any questions regarding this project, please contact Ms. Barbara Conlin of the Environmental Resources Branch at (215) 656-6557, email Barbara.E.Conlin@usace.army.mil.

Sincerely,

BRANDRETH.MARY.ELIZABETH.1229130427 Digitally signed by BRANDRETH.MARY.ELIZABETH.1229130427 Date: 2023.03.23 11:34:21 -04'00'

FOR Peter R. Blum, P.E.
Chief, Planning Division

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT
100 SOUTH INDEPENDENCE MALL WEST
PHILADELPHIA PA 19106-3400

March 22, 2023

Environmental Resources Branch

Genevieve LaRouche
Project Leader
U.S. Fish and Wildlife Service
Chesapeake Bay Ecological Services Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401-7307
Geneviev_LaRouche@fws.gov

Dear Ms. LaRouche:

The U.S. Army Corps of Engineers, Philadelphia District (USACE) has prepared a draft Environmental Assessment (EA) for review titled: *Draft Environmental Assessment, Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware.*

This letter serves to notify you of the availability of the draft EA for the Land Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware. This EA evaluates the impacts associated with the Proposed Action of transferring a confined disposal facility (CDF) from the USACE to the Diamond State Port Corporation (DSPC), on behalf of the State of Delaware. An electronic copy of the draft EA can be downloaded from the USACE website at: http://www.nap.usace.army.mil/Missions/Civil-Works/Public-Notices-Reports/.

The Proposed Action includes the conveyance of approximately 172 acres of Property from the USACE to the DSPC. This Property was identified as excess property due to economic infeasibility for USACE and therefore slated for conveyance to the State of Delaware in WRDA 2020, Section 356(d). The Property would continue to be used as a CDF under DSPC ownership, and activities consistent with use of the Property as a dredge material disposal site would continue to occur.

On April 4, 2022, an Information for Planning and Consultation (IPaC) species list was generated for this Project. Pursuant to Section 7 of the Endangered Species Act (ESA) of 1973, Federal agencies are required to coordinate with the U.S. Fish and Wildlife Service (USFWS) when an agency action may affect a listed species or their critical habitat. The listed species within your jurisdiction identified as potentially occurring in the area is the northern long-eared bat (*Myotis septentrionalis*). We also note the potential occurrence and importance of the monarch butterfly (*Danaus plexippus*), which is under consideration for listing pursuant to ESA. No critical habitat

was identified within the Project area. Pursuant to the Section 7 of the ESA, we request initiation of informal consultation with your office for the proposed project. We have determined that the proposed property conveyance and continued use of the property as a CDF is not likely to create new or additional adverse impacts to the aforementioned species.

In accordance with the Fish and Wildlife Coordination Act (FWCA), USACE requests your review and comment on the draft EA in addition to initiation of informal ESA Section 7 consultation. USACE is committed to continuing to work closely with Federal and State resource agencies, prior to, and during property conveyance. We request your review and comments on the draft report within 30 days of the date of this letter.

If you have any questions regarding this project, please contact Ms. Barbara Conlin of the Environmental Resources Branch at (215) 656-6557, email Barbara.E.Conlin@usace.army.mil

Sincerely,

BRANDRETH.MARY.ELIZABETH.1229130427

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Date: 2023.03.23 11:41:37 -04'00'

FOR

Peter R. Blum, P.E.
Chief, Planning Division

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT
100 SOUTH INDEPENDENCE MALL WEST
PHILADELPHIA PA 19106-3400

March 22, 2023

Environmental Resources Branch

Kimberly B. Cole
Environmental Program Administrator
Delaware Department of Natural Resources and Environmental Control
100 W. Water Street, Suite 7B
Dover, DE 19904

Dear Ms. Cole:

The purpose of this letter is to request Federal consistency concurrence with the Delaware Coastal Management Program (DCMP) pursuant to Section 307 (c) of the Coastal Zone Management Act, as amended, for land transfer of the Wilmington Harbor North Disposal Area from the U.S. Army Corps of Engineers (USACE) to the State of Delaware. USACE has prepared a Draft Environmental Assessment (EA) that evaluates the impacts associated with the Proposed Action of transferring a confined disposal facility (CDF) from the USACE to the Diamond State Port Corporation (DSPC), on behalf of the State of Delaware. An electronic copy of the draft EA can be downloaded from the USACE website at: http://www.nap.usace.army.mil/Missions/Civil-Works/Public-Notices-Reports/.

The Proposed Action includes the conveyance of approximately 172 acres of Property from the USACE to the DSPC. This Property was identified as excess property due to economic infeasibility for USACE and therefore slated for conveyance to the State of Delaware in WRDA 2020, Section 356(d). The Property would continue to be used as a CDF under DSPC ownership, and activities consistent with use of the Property as a dredge material disposal site would continue to occur.

We request your concurrence that the conveyance of the WHN CDF from USACE to DSPC is consistent with Delaware's federally approved Coastal Zone Management Program by May 22, 2023. If you have any questions regarding this project, please contact Ms. Barbara Conlin of our Environmental Resources Branch

at 215-656-6557, email Barbara.E.Conlin@usace.army.mil.

Sincerely,

BRANDRETH.MARY.ELIZABETH.1229130427

Digitally signed by BRANDRETH.MARY.ELIZABETH.1229130427
Date: 2023.03.23 11:38:47 -04'00'

FOR

Peter R. Blum, P.E.
Chief, Planning Division

Enclosure
Cc: Erin Wilson, DNREC DCP

Delaware Department of Natural Resources and Environmental Control
Delaware Coastal Management Program

Initial Review: _____
Updated On: _____
Complete: _____
Official Use Only

Coastal Zone Management Act Federal Consistency Form

This document provides the Delaware Coastal Management Program (DCMP) with a Federal Consistency Determination or Certification for activities regulated under the Coastal Zone Management Act of 1972, as amended, and NOAA's Federal Consistency Regulations, 15 C.F.R. Part 930. Federal agencies and other applicants for federal consistency are not required to use this form; it is provided to applicants to facilitate the submission of a Consistency Determination or Consistency Certification. In addition, federal agencies and applicants are only required to provide the information required by NOAA's Federal Consistency Regulations.

Project/Activity Name:	Transfer of the Wilmington Harbor North Disposal Area to State of Delaware

I. Federal Agency or Non-Federal Applicant Contact Information:

Contact Name/Title: Dan Kelly, Project Manager / Barb Conlin, Project Biologist

Federal Agency Contractor Name (if applicable): N/A

Federal Agency: U.S. Army Corps of Engineers
(either the federal agency proposing an action or the federal agency issuing a federal license/permit or financial assistance to a non-federal applicant)

Mailing Address: 100 Penn Square East

City: Philadelphia State: PA Zip Code: 19107

E-mail: Daniel.J.Kelly@USACE.army.mil Telephone #: (215) 200-2340

II. Federal Consistency Category:

- (●) Federal Activity or Development Project (15 C.F.R. Part 930, Subpart C)
- ( ) Outer Continental Shelf Activity (15 C.F.R. Part 930, Subpart E)
- ( ) Federal Financial Assistance (15 C.F.R. Part 930, Subpart F)
- ( ) Federal License or Permit Activity (15 C.F.R. Part 930, Subpart D)
- ( ) Federal License or Permit Activity which occurs wholly in another state (interstate consistency activities identified in DCMP's Policy document)

III. Detailed Project Description (attach additional sheets if necessary):

The U.S. Army Corps of Engineers, Philadelphia District (USACE) has prepared a draft Environmental Assessment (EA) for review titled: Draft Environmental Assessment, Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware. This EA evaluates the impacts associated with the Proposed Action of transferring a confined disposal facility (CDF) from the USACE to the Diamond State Port Corporation (DSPC), on behalf of the State of Delaware. The Proposed Action includes the conveyance of approximately 172 acres of Property from the USACE to the DSPC. This Property was identified as excess property due to economic infeasibility for USACE and therefore slated for conveyance to the State of Delaware in WRDA 2020, Section 356(d). The Property would continue to be used as a CDF under DSPC ownership, and activities consistent with use of the Property as a dredge material disposal site would continue to occur.

IV. General Analysis of Coastal Effects (attach additional sheets if necessary):

The Wilmington Harbor North CDF is located in a heavily industrialized section of the Delaware River at the confluence with the Christina River. The Wilmington Harbor North CDF was utilized by the U.S. Army Corps of Engineers (USACE) for over 100 years, and there is minimal natural environment located along the coastal strip. Ship traffic precludes the area from being utilized for the purpose of recreation, tourism, fishing and crabbing. The Proposed Action of conveying the Property from USACE to the Diamond State Port Corporation (DSPC) will not cause cause any new or additional adverse coastal effects. Likewise, continued use of the site as a CDF will not cause any new or additional adverse coastal effects.

V. Detailed Analysis of Consistency with DCMP Enforceable Policies (attach additional sheets if necessary)**:**

Policy 5.1: Wetlands Management

N/A. No wetlands will be affected by the Proposed Action.

Policy 5.2: Beach Management

N/A. No beaches will be affected by the Proposed Action.

Policy 5.3: Coastal Waters Management (includes wells, water supply, and stormwater management. Attach additional sheets if necessary)

N/A. No coastal waters will be affected by the Proposed Action.

Policy 5.4: Subaqueous Land and Coastal Strip Management

The Wilmington Harbor North CDF is located in a heavily industrialized section of the Delaware River at the confluence with the Christina River. There is minimal natural environment located along the coastal strip. Ship traffic precludes the area from being utilized for the purpose of recreation, tourism, fishing and crabbing.

The transfer of land will not result in further industrial development of the project area.

Policy 5.5: Public Lands Management

N/A. There are no public lands located within the project area managed for public recreational purposes or for the conservation and preservation of natural resources.

Policy 5.6: Natural Lands Management

N/A. There are no Natural Lands located within the immediate project area that are established for scientific research or teaching of natural environments.

Policy 5.7: Flood Hazard Areas Management

N/A. The Proposed Action will not affect state or local flood hazard areas, nor will the Proposed Action cause flood hazards.

Policy 5.8: Port of Wilmington

Under the Proposed Action, the Diamond State Port Corporation (DSPC), who owns the Port of Wilmington, would take ownership as the entity for the State of Delaware and would continue to use the property as a dredge material disposal site. The CDF would be used by DSPC for disposal of material from maintenance dredging of the berthing area, as well as for overflow for initial construction of the Edgemoor Expansion project (this activity received Federal Consistency Certification September 29, 2021 (FC 2020.0043)). The Proposed Action contributes towards the long-term economic viability and competitiveness of the Port of Wilmington.

Policy 5.9: Woodlands and Agricultural Lands Management

N/A. There are no woodlands or agricultural lands within the project area to be affected.

Policy 5.10: Historic and Cultural Areas Management

No new or additional adverse impacts to historic and cultural resources are expected to occur under the Proposed Action of land transfer from USACE to DSPC.

Policy 5.11: Living Resources

No new or additional adverse impacts to living resources are expected to occur under the Proposed Action of land transfer from USACE to DSPC.

Policy 5.12 Mineral Resources Management

N/A. No leases for the extraction and production of minerals will occur.

Policy 5.13: State Owned Coastal Recreation and Conservation

N/A. There are no state owned natural lands in the proposed project area that are maintained as important recreation areas or wildlife habitat. There are no known cultural or historic resources within the CDF.

Policy 5.14: Public Trust Doctrine

N/A. The Proposed Activity of land transfer from USACE to DSPC will not infringe on public access to navigation on waterways.

Policy 5.15: Energy Facilities

No new or additional adverse impacts to energy facilities are expected to occur under the Proposed Action of land transfer from USACE to DSPC.

Policy 5.16: Public Investment

N/A. The Proposed Action of land transfer from USACE to DSPC does not affect public investment.

Policy 5.17: Recreation and Tourism

N/A. The Property is not considered an area for recreation and tourism.

Policy 5.18: National Defense and Aerospace Facilities

N/A. No national defense or aerospace facilities are located, or proposed to be located, within the property boundary.

Policy 5.19: Transportation Facilities

N/A. The proposed activity is the conveyance of the Wilmington Harbor North CDF from USACE to DSPC.

Policy 5.20: Air Quality Management

No new or additional adverse impacts to air quality are expected to occur under the Proposed Action of land transfer from USACE to DSPC.

Policy 5.21: Water Supply Management

N/A. No new or additional adverse impacts to water supply are expected to occur under the Proposed Action,of land transfer from USACE to DSPC.

Policy 5.22: Waste Disposal Management

N/A. No new adverse impacts to waste disposal are expected to occur under the Proposed Action of land transfer from USACE to DSPC.

Policy 5.23: Development

N/A. No community, commercial or industrial development will occur.

Policy 5.24: Pollution Prevention

N/A. No new adverse impacts to pollution prevention are expected to occur under the Proposed Action of land transfer from USACE to DSPC.

Policy 5.25: Coastal Management Coordination

It is assumed that DNREC will provide an opportunity for other federal, state or local agencies and interested parties to review and comment on the Proposed Action of land transfer from USACE to DSPC.

VI. JPP and RAS Review (Check all that apply)**:**

Has the project been reviewed in a monthly Joint Permit Processing and/or Regulatory Advisory Service meeting?

☐ JPP ☐ RAS ☒ None

*If yes, provide the date of the meeting(s): _____

VII. Statement of Certification/Determination and Signature (Check one and sign below)**:**

☒ **FEDERAL AGENCY CONSISTENCY DETERMINATION.** Based upon the information, data, and analysis included herein, the federal agency, or its contracted agent, listed in (I) above, finds that this proposed activity is consistent to the maximum extent practicable with the enforceable policies of the Delaware Coastal Management Program.

OR

☐ **FEDERAL AGENCY NEGATIVE DETERMINATION.** Based upon the information, data, and analysis included herein, the federal agency, or its contracted agent, listed in (I) above, finds that this proposed activity will not have any reasonably foreseeable effects on Delaware's coastal uses or resources (Negative Determination) and is therefore consistent with the enforceable policies of the Delaware Coastal Management Program.

OR

☐ **NON-FEDERAL APPLICANT'S CONSISTENCY CERTIFICATION.** Based upon the information, data, and analysis included herein, the non-federal applicant for a federal license or permit, or state or local government agency applying for federal funding, listed in (I) above, finds that this proposed activity complies with the enforceable policies of the Delaware Coastal Management Program and will be conducted in a manner consistent with such program.

Signature:	BLUM.PETER.R.1228677120 Digitally signed by BLUM.PETER.R.1228677120 Date: 2023.03.21 16:40:13 -04'00'		
Printed Name:	Peter R. Blum	Date:	3/21/2023

Pursuant to 15 C.F.R. Part 930, the Delaware Coastal Management Program must provide its concurrence with or objection to this consistency determination or consistency certification in accordance with the deadlines listed below. Concurrence will be presumed if the state's response is not received within the allowable timeframe.

Federal Consistency Review Deadlines:

Federal Activity or Development Project (15 C.F.R. Part 930, Subpart C)	60 days with option to extend an additional 15 days or stay review (15 C.F.R. § 930.41)
Federal License or Permit (15 C.F.R. Part 930, Subpart D)	Six months, with a status letter at three months. The six month review period can be stayed by mutual agreement. (15 C.F.R. § 930.63)
Outer Continental Shelf Activity (15 C.F.R. Part 930, Subpart E)	Six months, with a status letter at three months. If three month status letter not issued, then concurrence presumed. The six month review period can be stayed by mutual agreement. (15 C.F.R. § 930.78)
Federal Financial Assistance to State or Local Governments (15 C.F.R. Part 930, Subpart F)	State Clearinghouse schedule

OFFICIAL USE ONLY:

Reviewed By:	Fed Con ID:	Date Received:
Public notice dates: to	Comments Received: ☐ NO ☐ YES *[attach comments]*	
Decision type: *(objections or conditions attach details)*	Decision Date:	

United States Department of the Interior

FISH AND WILDLIFE SERVICE

Chesapeake Bay Field Office
177 Admiral Cochrane Drive
Annapolis, Maryland 21401
http://www.fws.gov/chesapeakebay

April 19, 2023

Barbara Conlin
U.S. Army Corps of Engineers, Philadelphia District
100 South Independence Mall West
Philadelphia PA 19106-3400

RE: Comments on Draft Environmental Assessment, Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware

Dear Ms. Conlin:

Thank you for providing the opportunity to comment on the proposed project referenced above. The comments provided below are in accordance with Section 7 of the Endangered Species Act (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*), and Fish and Wildlife Coordination Act (48 Stat. 401; 16 U.S.C. 661 *et seq*.). The purpose of this letter is to comment on how this project may impact federally listed species found within or adjacent to the project area.

This Environmental Assessment evaluates the impacts associated with the Proposed Action of transferring a confined disposal facility (CDF) from the U.S. Army Corps of Engineers (USACE) to the Diamond State Port Corporation (DSPC), on behalf of the State of Delaware. The Proposed Action includes the conveyance of approximately 172 acres of the property from the USACE to the DSPC. The property would continue to be used as a CDF under DSPC ownership, and activities consistent with use of the property as a dredge material disposal site would continue to occur.

We recommend that landowners regularly review the Service's Information for Planning and Consultation (IPAC) results and complete relevant Determination keys for their projects. IPaC can be used to determine whether species may be impacted by proposed activities. Official species lists obtained from IPaC are valid for 90 days.

The candidate species monarch butterfly (*Danaus plexippus)* may be found within the project area. We encourage DSPC to:

- Avoid disturbing any milkweed between late April and August, which will prevent destruction of monarch butterfly eggs and larvae and
- Retain or increase monarch butterfly habitat within the project areas to the maximum extent practicable.

TAKE PRIDE® IN AMERICA

Thank you for the opportunity to provide comments on this proposed project. We appreciate the opportunity to provide information relevant to threatened and endangered fish and wildlife resources. If you would like to further discuss our suggested conservation measures, please contact Sabrina Deeley of my staff at Sabrina_deeley@fws.gov.

Sincerely,

JULIE SLACUM

Digitally signed by JULIE SLACUM
Date: 2023.04.20 14:56:10 -04'00'

Acting for Genevieve LaRouche
Field Supervisor

HCA
DELAWARE HISTORICAL & CULTURAL AFFAIRS

Delaware Division of Historical & Cultural Affairs
29 N. State St., Dover, Delaware 19901
Tel. (302) 736-7400 | Fax. (302) 739-5660
history.delaware.gov

May 10, 2023

Peter R. Blum
US Army Corps of Engineers
100 South Independence Mall West
Philadelphia, PA 19106

Subject: **Transfer of the Wilmington Harbor North Disposal Area**
SHPO Project No. 2023.03.22.01

Dear Mr. Blum:

We understand from your letter that the US Army Corps of Engineers, Philadelphia District (USACE) is proposing a land transfer. The Wilmington Harbor North Disposal Area is 172 acres and is currently used as a confined disposal facility (CDF). USACE is proposing to transfer the land to the Diamond State Port Corporation (DSPC) for its continued use as a CDF. As this is a federal undertaking, the project is subject to compliance with Section 106 of the National Historic Preservation Act of 1966 (as amended).

There are no known archaeological sites or historic properties within the area of potential effect (APE). The Bellevue Range Rear Light Station (N12700) is adjacent to the APE and is listed on the National Register of Historic Places (NRHP). As the proposed undertaking does not involve a change in use of the APE, there are not anticipated impacts to the property. There are no known archaeological sites within a half-mile radius of the APE. The APE has been previously disturbed by the establishment and use of the existing CDF and therefore there is low potential for any intact archaeological resources. The proposed undertaking would allow the APE to remain in use as a CDF.

Our Office finds there to be No Adverse Effect to historic properties by the proposed undertaking. Please feel free to contact me if you have any questions at (302) 736-7431 or sarah.carr@delaware.gov.

Sincerely,

Sarah Carr
Cultural Preservation Specialist
cc: Gwen Davis, Deputy SHPO
Nicole Cooper-Minnichbach, USACE

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
DIVISION OF CLIMATE, COASTAL AND ENERGY
STATE STREET COMMONS
COASTAL PROGRAMS
100 W. WATER STREET, SUITE 7B
DOVER, DELAWARE 19904
PHONE
(302) 739-9283

May 11, 2023

Barbara Conlin
Philadelphia District Corps of Engineers
100 Penn Square East
Philadelphia, PA 19107

RE: Delaware Coastal Management Program — Federal Consistency Negative Determination Concurrence for USACE Wilmington Harbor North Land Transfer (FC 2023.0038)

Dear Ms. Conlin,

The Delaware Coastal Management Program (DCMP) of the Delaware Department of Natural Resources and Environmental Control (DNREC) has completed its review of the above referenced project, dated March 21, 2023, and received by this office on March 23, 2023, with a clarification received by this office on April 7, 2023, on behalf of the U.S. Army Corps of Engineers (USACE), Philadelphia District.

The USACE proposes to convey approximately 172 acres of property located at the confluence of the Christina River in New Castle County, Delaware, known as the Wilmington Harbor North Confined Disposal Facility (CDF), to the Diamond State Port Corporation (DSPC). This property was identified as excess property due to economic infeasibility for USACE and therefore slated for conveyance to the State of Delaware in Water Resources Development Act 2020, Section 356(d). The property would continue to be utilized as a CDF under DSPC ownership, and activities consistent with use of the property as a dredge material disposal site would continue to occur. The USACE determined that there will not be coastal effects as a result of the land transfer.

FEDERAL CONSISTENCY UNDER THE COASTAL ZONE MANAGEMENT ACT

Pursuant to the Coastal Zone Management Act (CZMA) of 1972 administered by the National Oceanic and Atmospheric Administration (NOAA), as amended, each federal agency activity within or outside the coastal zone that can have reasonably foreseeable effects on any land or water use or natural resource of the coastal zone shall be carried out in a manner which is consistent to the maximum extent practicable with the enforceable policies of NOAA-approved state management programs.

Under the CZMA implementing regulations, *Federal Consistency with Approved Coastal Management Programs* (15 CFR 930), subpart C, if a federal agency determines that there will not be coastal effects, then the federal agency shall provide the state agencies with a negative determination for a federal agency activity, which has been identified by a state on a list or through case-by-case monitoring, is the same or similar to other activities for which a negative determination has been issued in the past, or for which the federal agency undertook a thorough analysis of coastal effects.

PUBLIC PARTICIPATION

In accordance with 15 CFR 930.35(c), a public notification was not required for this negative determination.

CONCURRENCE

Based on its review and pursuant to 15 CFR 930, the DCMP concurs that the project as proposed would result in no coastal effects.

Pursuant to 15 CFR 930.46, the USACE shall notify the DCMP of any proposed modifications to activities after receiving a decision from the DCMP. Modifications will be subject to supplemental federal consistency review if effects to any coastal use or resource will be substantially different than originally described.

Please be advised that this federal consistency review does not negate the need for other authorizations that may be required.

Thank you for the opportunity to evaluate this federal agency activity. If you have any questions, please contact me or Jennifer Holmes of my staff at (302) 739-9283.

Sincerely,

Kimberly B. Cole, Administrator
Delaware Coastal Management Program

KBC/jlh

cc: File FC 2023.0038
Matt Jones, DW

From: Davis, Jamie <Davis.Jamie@epa.gov>
Sent: Friday, April 21, 2023 10:56 AM
To: Rochette, Stephen V CIV USARMY CENAP (USA) <Stephen.Rochette@usace.army.mil>
Cc: Witman, Timothy <witman.timothy@epa.gov>
Subject: [Non-DoD Source] Draft Environmental Assessment (EA) for the Land Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware.

Hi Steve,
EPA has reviewed the above referenced EA and at this time we do not have any comments to provide.
Thank you for the opportunity to review this document.

Have a great weekend
Jamie

Jamie Davis
Office of Communities, Tribes & Environmental Assessment
National Environmental Policy Act (NEPA)
U.S. EPA Region III
4 Penn Center
Philadelphia, PA 19103
570-351-7192

From: Meagan Riley - NOAA Federal <meagan.riley@noaa.gov>
Sent: Thursday, March 23, 2023 3:06 PM
To: Conlin, Barbara E CIV USARMY CENAP (USA) <Barbara.E.Conlin@usace.army.mil>
Subject: [URL Verdict: Neutral][Non-DoD Source] Re: conveyance of a parcel of land (Wilmington Harbor North CDF, Wilmington, DE

Thanks for sharing this letter, Barb. I discussed this with Peter and based on the fact that the land transfer alone will have no possible routes of effects to ESA-listed species, no further action is required of the Corps in regards to ESA section 7. Also, because you do not have any information about what is reasonably certain to occur on the land in the future and you do not know if there will be any effects to ESA-listed species at this time, no further action regarding ESA section 7 is feasible.

I'll share this letter with leadership and let you know if they have any questions, concerns, or comments.
Meagan

Meagan Riley
ESA Section 7 Biologist
Greater Atlantic Regional Fisheries Office
NOAA Fisheries | U.S. Department of Commerce
Office: (978) 281-9339

---------- Forwarded message ---------
From: **Conlin, Barbara E CIV USARMY CENAP (USA)** <Barbara.E.Conlin@usace.army.mil>
Date: Thu, Mar 23, 2023 at 1:47 PM
Subject: conveyance of a parcel of land (Wilmington Harbor North CDF, Wilmington, DE
To: kimberly.damon-randall@noaa.gov <kimberly.damon-randall@noaa.gov>
Cc: Meagan Riley - NOAA Federal <meagan.riley@noaa.gov>

Enclosed please find a letter requesting your review and comment on a draft Environmental Assessment for the transfer of ownership of the Wilmington Harbor North CDF, located on the Christina River, Wilmington, DE.

Pursuant to Section 7 of the Endangered Species Act (ESA) of 1973, Federal agencies are required to coordinate with the National Marine Fisheries Service (NMFS) when an agency action may affect a listed species or their critical habitat. Pursuant to the ESA, we have concluded that the proposed conveyance of this upland parcel of land will have no impact to federally listed species or critical habitat under your agency's jurisdiction. We request your concurrence with our determination.
If you should have any questions or request additional information, please contact me.
Thank you,
Barb Conlin

Barbara E. Conlin
Ecologist
Environmental Resources Branch
Philadelphia District, U.S. Army Corps of Engineers

From:	Karen Greene - NOAA Federal
To:	Conlin, Barbara E CIV USARMY CENAP (USA); Brandreth, Mary E CIV USARMY CENAP (USA)
Cc:	Jessie Murray - NOAA Federal; Christine Vaccaro - NOAA Federal
Subject:	[Non-DoD Source] Draft Environmental Assessment, Transfer of the Wilmington Harbor North Disposal Area to the State of Delaware.
Date:	Tuesday, May 9, 2023 8:19:20 AM

Hello Barb,

Thank you for reaching out to us regarding the Draft Environmental Assessment for the transfer of the Wilmington Harbor North Disposal Area to the State of Delaware. NOAA Fisheries Habitat and Ecosystem Services Division has no comment on the document. Our lack of comment does not imply our endorsement of the activities proposed. If the District has not already done so, please ensure that coordination with our Protected Resources Division has taken place.

Thank you.

Karen

Karen Greene
Chief, Mid-Atlantic Branch
Habitat and Ecosystem Services Division
NOAA Fisheries, Greater Atlantic Region
cell: (978) 559-9871

https://www.fisheries.noaa.gov/new-england-mid-atlantic/habitat-conservation/essential-fish-habitat-consultations-greater-atlantic-region

Please send all correspondence to us electronically as our office is working to go paperless. Thank you.

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Chesapeake Bay Ecological Services Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401-7307
Phone: (410) 573-4599 Fax: (410) 266-9127

In Reply Refer To:
Project Code: 2022-0026179
Project Name: Willington Harbor North EA

April 21, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see https://www.fws.gov/birds/policies-and-regulations.php.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

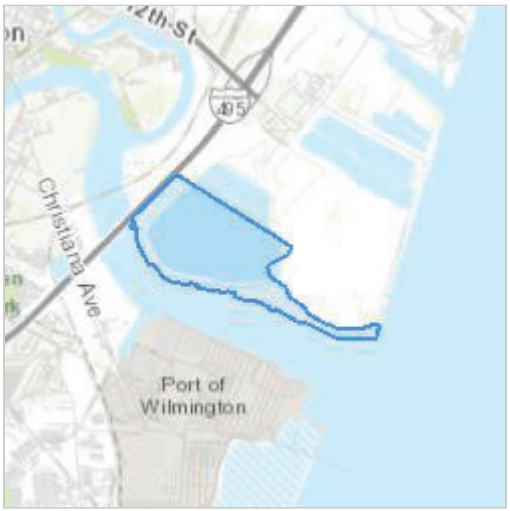
This species list is provided by:

Chesapeake Bay Ecological Services Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401-7307
(410) 573-4599

PROJECT SUMMARY

Project Code: 2022-0026179
Project Name: Willington Harbor North EA
Project Type: Land Exchange
Project Description: Willington Harbor North, Confined Disposal Facility, Delaware
Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@39.72434795,-75.52432300167466,14z



Counties: New Castle County, Delaware

ENDANGERED SPECIES ACT SPECIES

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 1 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

---

1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Northern Long-eared Bat *Myotis septentrionalis*	Endangered

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/9045

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus*	Candidate

No critical habitat has been designated for this species.
This species only needs to be considered under the following conditions:

- The monarch is a candidate species and not yet listed or proposed for listing. There are generally no section 7 requirements for candidate species (FAQ found here: https://www.fws.gov/savethemonarch/FAQ-Section7.html).

Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

IPAC USER CONTACT INFORMATION

Agency: Kleinschmidt Associates
Name: Karen Bishop
Address: 35 Pratt Street Suite 201
City: Essex
State: CT
Zip: 06246
Email karen.bishop@kleinschmidtgroup.com
Phone: 8605815877

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Army Corps of Engineers

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Chesapeake Bay Ecological Services Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401-7307
Phone: (410) 573-4599 Fax: (410) 266-9127

In Reply Refer To:
Project code: 2022-0026179
Project Name: Willington Harbor North EA

May 03, 2023

Federal Action Agency (if applicable): Army Corps of Engineers

Subject: Record of project representative's no effect determination for 'Willington Harbor North EA'

Dear Karen Bishop:

This letter records your determination using the Information for Planning and Consultation (IPaC) system provided to the U.S. Fish and Wildlife Service (Service) on May 03, 2023, for 'Willington Harbor North EA' (here forward, Project). This project has been assigned Project Code 2022-0026179 and all future correspondence should clearly reference this number. **Please carefully review this letter.**

Ensuring Accurate Determinations When Using IPaC

The Service developed the IPaC system and associated species' determination keys in accordance with the Endangered Species Act of 1973 (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and based on a standing analysis. All information submitted by the Project proponent into the IPaC must accurately represent the full scope and details of the Project. Failure to accurately represent or implement the Project as detailed in IPaC or the Northern Long-eared Bat Rangewide Determination Key (Dkey), invalidates this letter.

Determination for the Northern Long-Eared Bat

Based upon your IPaC submission and a standing analysis, your project has reached the determination of "No Effect" on the northern long-eared bat. To make a no effect determination, the full scope of the proposed project implementation (action) should not have any effects (either positive or negative), to a federally listed species or designated critical habitat. Effects of the action are all consequences to listed species or critical habitat that are caused by the proposed action, including the consequences of other activities that are caused by the proposed action. A consequence is caused by the proposed action if it would not occur but for the proposed action and it is reasonably certain to occur. Effects of the action may occur later in time and may

include consequences occurring outside the immediate area involved in the action. (See § 402.17).

Under Section 7 of the ESA, if a federal action agency makes a no effect determination, no consultation with the Service is required (ESA §7). If a proposed Federal action may affect a listed species or designated critical habitat, formal consultation is required except when the Service concurs, in writing, that a proposed action "is not likely to adversely affect" listed species or designated critical habitat [50 CFR §402.02, 50 CFR§402.13].

Other Species and Critical Habitat that May be Present in the Action Area

The IPaC-assisted determination for the northern long-eared bat does not apply to the following ESA-protected species and/or critical habitat that also may occur in your Action area:

- Monarch Butterfly *Danaus plexippus* Candidate

You may coordinate with our Office to determine whether the Action may affect the animal species listed above and, if so, how they may be affected.

Next Steps

Based upon your IPaC submission, your project has reached the determination of “No Effect” on the northern long-eared bat. If there are no updates on listed species, no further consultation/ coordination for this project is required with respect to the northern long-eared bat. However, the Service recommends that project proponents re-evaluate the Project in IPaC if: 1) the scope, timing, duration, or location of the Project changes (includes any project changes or amendments); 2) new information reveals the Project may impact (positively or negatively) federally listed species or designated critical habitat; or 3) a new species is listed, or critical habitat designated. If any of the above conditions occurs, additional coordination with the Service should take place to ensure compliance with the Act.

If you have any questions regarding this letter or need further assistance, please contact the Chesapeake Bay Ecological Services Field Office and reference Project Code 2022-0026179 associated with this Project.

Action Description
You provided to IPaC the following name and description for the subject Action.

1. Name

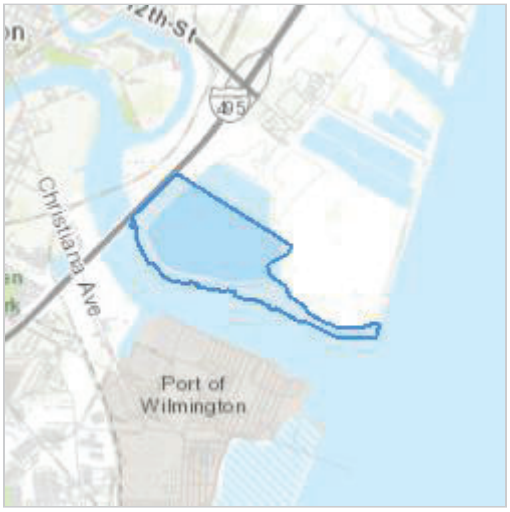
Willington Harbor North EA

2. Description

The following description was provided for the project 'Willington Harbor North EA':

> Willington Harbor North, Confined Disposal Facility, Delaware

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@39.72434795,-75.52432300167466,14z



DETERMINATION KEY RESULT

Based on the information you provided, you have determined that the Proposed Action will have no effect on the Endangered northern long-eared bat (Myotis septentrionalis). Therefore, no consultation with the U.S. Fish and Wildlife Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat. 884, as amended 16 U.S.C. 1531 *et seq.*) is required for those species.

QUALIFICATION INTERVIEW

1. Does the proposed project include, or is it reasonably certain to cause, intentional take of the northern long-eared bat or any other listed species?

   Note: Intentional take is defined as take that is the intended result of a project. Intentional take could refer to research, direct species management, surveys, and/or studies that include intentional handling/encountering, harassment, collection, or capturing of any individual of a federally listed threatened, endangered or proposed species?

   No

2. The proposed action does not intersect an area where the northern long-eared bat is likely to occur, based on the information available to U.S. Fish and Wildlife Service as of the most recent update of this key. If you have data that indicates that northern long-eared bats are likely to be present in the action area, answer "NO" and continue through the key.

   Do you want to make a no effect determination?

   Yes

PROJECT QUESTIONNAIRE

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LEAD AGENCY CONTACT INFORMATION

Lead Agency: Army Corps of Engineers